

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model
Run on: September 14, 2003, 02:13:55 : Search time 469 Seconds
(without alignments)
9892.201 Million cell updates/sec
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Perfect score: 1911
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Gapop 10.0 , Gapext 1.0
Searched: 1632420 seqs, 1213878141 residues
Total number of hits satisfying chosen parameters: 3264840
Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_NA:*

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16: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*

17: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	563.6	29.5	1480	11	US-09-866-050A-577
3	563.6	29.5	1480	14	US-10-152-661-577
4	403.2	21.1	432	11	US-09-918-995-16759
5	292.6	15.3	5209	11	US-09-822-846-64
6	240	12.6	1558	13	US-10-027-632-254012
c 7	146.2	7.7	5209	11	US-09-822-846-64
c 8	119	6.2	850	13	US-10-027-632-157849
9	86.4	4.5	804	13	US-10-027-632-157850
10	82	4.3	603	13	US-10-027-632-174839
11	60	3.1	60	12	US-09-908-975-13246
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13	46.6	2.4	2907	9	US-09-215-652-16
c 14	43	2.3	653	14	US-10-184-644-402
c 15	43	2.3	653	14	US-10-184-634-402
c 16	42.6	2.3	594	12	US-10-140-472-10

c 17	42.6	2.2	594	12	US-10-141-761-10	Sequence 10, Appl
c 18	42.6	2.2	594	12	US-10-142-885-10	Sequence 10, Appl
c 19	42.6	2.2	594	14	US-10-123-155-10	Sequence 10, Appl
c 20	42.6	2.2	594	15	US-10-146-731-10	Sequence 10, Appl
c 21	42	2.2	146547	14	US-10-017-128-1	Sequence 1, Appl
c 22	41.8	2.2	1387	10	US-09-880-107-2344	Sequence 2344, Ap
c 23	41.8	2.2	1433	11	US-09-791-196-1	Sequence 1, Appl
c 24	41.6	2.2	1173	14	US-10-156-761-1672	Sequence 1672, Ap
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c 26	41.4	2.2	440	14	US-10-184-644-202	Sequence 202, App
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c 28	41.4	2.2	1049	12	US-10-140-472-358	Sequence 358, App
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c 30	41.4	2.2	1049	12	US-10-142-885-358	Sequence 358, App
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c 32	41.4	2.2	1049	15	US-10-146-731-358	Sequence 358, App
c 33	41.4	2.2	1614	10	US-09-976-740-45	Sequence 45, Appl
c 34	41.4	2.2	1614	13	US-10-023-529-45	Sequence 45, Appl
c 35	41.4	2.2	1614	13	US-10-023-523-45	Sequence 45, Appl
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c 38	41.4	2.2	12425	10	US-09-976-740-50	Sequence 50, Appl
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c 41	40.8	2.1	671	14	US-10-184-644-346	Sequence 346, App
c 42	40.8	2.1	671	14	US-10-184-634-346	Sequence 346, App
c 43	40.8	2.1	152331	13	US-10-095-407-16	Sequence 16, Appl
c 44	40.6	2.1	1141	14	US-10-184-644-120	Sequence 120, App
c 45	40.6	2.1	1141	14	US-10-184-634-120	Sequence 120, App

ALIGNMENTS

RESULI 1

US-09-135-238B-1

: Sequence 1, Application US/09135238B

: Patent No. US20020177565A1

: GENERAL INFORMATION:

: APPLICANT: No. US20020177565A1an, Garry P.

: APPLICANT: Hitoshi, Yasumichi

: TITLE OF INVENTION: TOSO

: FILE REFERENCE: A65635-1/DJB/RMS

: CURRENT APPLICATION NUMBER: US/09/135,238B

: CURRENT FILING DATE: 1998-08-17

: PRIOR APPLICATION NUMBER: 60/066,063

: PRIOR FILING DATE: 1997-11-17

: NUMBER OF SEQ ID NOS: 31

: SOFTWARE: PatentIn Ver. 2.0

: SEQ ID NO 1

: LENGTH: 1910

: TYPE: DNA

: ORGANISM: Homo sapiens

US-09-135-238B-1

Query Match	99.4%	Score	1899;	DB	10;	Length	1910;
Best Local Similarity	99.9%	Pred. No.	0;				
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Gaps	1;						
Qy	1	AAAGAGTAAGCAGCGTGTCTCCATCCCGCTCTTAGGGGCTCTTGGATGGACCTTGGAC	60				
Db	1	AAAGAGTAAGCAGCGTGTCTCCATCCCGCTCTTAGGGGCTCTTGGATGGACCTTGGAC	60				
Qy	61	TCTAGAGGGACAATGGACTTCTGGCTTTGGCCACTTTACTTCTGCGAGTATCAGGGGC	120				
Db	61	TCTAGAGGGACAATGGACTTCTGGCTTTGGCCACTTTACTTCTGCGAGTATCAGGGGC	120				
Qy	121	CCTGAGGATCTCCAGAAAGTAAGAGTAGAGGGGAGCTGGCGGATCAGTTACATCAA	180				
Db	121	CCTGAGGATCTCCAGAAAGTAAGAGTAGAGGGGAGCTGGCGGATCAGTTACATCAA	180				
Qy	181	ATGCCACTTCTGAAATGCAATGAGGATATATCTGTGCGGGAGATGGCTGATCTGG	240				
Db	181	ATGCCACTTCTGAAATGCAATGAGGATATATCTGTGCGGGAGATGGCTGATCTGG	240				

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Qy	301	TACTCTGAAGCAATACCCACGCAAGAATCTGTTCTCTAGTGGAGGTAACACAGCTGACAGA	360
Db	301	TACTCTGAAGCAATACCCACGCAAGAATCTGTTCTCTAGTGGAGGTAACACAGCTGACAGA	360
Qy	361	AAGTGACAGCGGAGTCTATGCTCTGCGAGCGGCATGAACACAGACCCGGGAAAGACCCA	420
Db	361	AAGTGACAGCGGAGTCTATGCTCTGCGAGCGGCATGAACACAGACCCGGGAAAGACCCA	420
Qy	421	GAAGTACACCTGAATGTCCACAGTGAATACGAGCCATCATGGGAAGACGACCAATGCC	480
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Qy	481	TGAGACTCCAAAATGGTTTCATCTGCCCTATTGTTTCCAGATGCCGTGATATGCCAGTTT	540
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Qy	841	CCCGACCATCTGGGCTTTTCTGCTGGCATTCTTGGGCTGGTGGTGAAGGGCCGT	900
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Db	1200	GATGGAGACAGTGATTACAGATCACTACATCAATGTTCTCGCTGCACACTCCCCAGCTA	1259
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QY	1741	ACTCCTGGAAACGCCCTTTGGCCCTGATGCCAAATGTTAGCACTTGCCTAGTGAACGCTTACTT	1800
DB	1740	ACTCCTGGAAACGCCCTTTGGCCCTGATGCCAAATGTTAGCACTTGCCTAGTGAACGCTTACTT	1799
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: Sequence 577, Application US/09866050A			
: Publication No. US20030040471A1			
GENERAL INFORMATION:			
: APPLICANT: Watson, James D.			
: APPLCANT: Strachan, Lorna			
: APPLCANT: Sleeman, Matthew			
: APPLCANT: Onrust, Rene			
: APPLICANT: Murison, James G.			
: APPLICANT: Kumble, Krishanand D.			
: TITLE OF INVENTION: Compositions Isolated From Skin Cells			
: TITLE OF INVENTION: and Methods for Their Use			
: FILE REFERENCE: 11000.1011c40			
: CURRENT APPLICATION NUMBER: US/09/866.050A			
: CURRENT FILING DATE: 2001-05-24			
: NUMBER OF SEQ ID NOS: 725			
: SOFTWARE: FastSeq for Windows Version 4.0			
: SEQ ID NO 577			
: LENGTH: 1480			
: TYPE: DNA			
: ORGANISM: Mouse			
US-09-866-050A-577			

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DB 163 TGCCCACTTCCCTGAATGATGTGAGGATATATCTGTGCGGGAGATGCTGGATCTGGA 222
QY 242 ACATGTGGTACCGGTGTATCCCAACCACTTCTATCAAGGCGAATATCAAGGCGCGAGTT 301
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QY 302 ACTCTCAAGCAATACCCAGCGCAGAACTCTGTCTAGTGGAGGTACACAGCTGACAGAA 361
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DB 340 AATGACGATGGAATCTATGCTGTGCTGTGGCATGAACAGACAGACAAGGCAAGCCAG 399
QY 422 AAGTCAACCTGATGTCCACAGTGAATAC---GAGCCATCATGGGAAGAGCAGCAATG 476
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QY 479 CTTGAGACTCCAAATAGGTTCATCTGCGCTATTTCTCCAGATGCC----- 525
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QY 526 --TGCAATATGCCAGTTCTTCCAAATTCGTACACAGAGTTTACCACACCACTCAAGGGGC 583
DB 520 AGTGAACATCCCAAGCTTCTGTGAGTCATAGGCAAAAGTTTACCAGCGCAGCTTCAAAGACT 579
QY 584 AAGTCCCTCCAGTTCACCACTTCCTCCCAACCACTTCCAGTCACTTCCAGTCACTCCAGT 643
DB 580 GAGGCGCTTCCAGTTCACCACTTCCTCCCAACCACTTCCAGTCACTTCCAGTCACTCCAGT 639
QY 644 TCAGAGCATCTTTCAGTACAGTGTGACAGCGCGGAACTTCTGCTCCATCCATACAGCC 703
DB 640 TACAGAGCATTTTCTGTGTCAGTACCAAGTCCCGAGCGCTCTGCGCAGCAACCAAGCC 699
QY 704 TCAAAATCTCAGCTCTGGAGGGGTCTGTAAGCGCCCAAGCGCCAGCTTACCAACCAAC 763
DB 700 TCAAGACTTCCACTCAGCAAG---CAATCAGCGCCCTAGAGCGCCAGCTTACAGCCACCA 756
QY 764 ACCAGGTGACAGGAGAGAGCACTGGACTATGGCTCACACTCTGGAGGGAAGGCCAA 823
DB 757 ACCAGACTTCTAGCAAAAGGACAGCCCACTTGGCCCACTATGGGAGAGAACCA 816
QY 824 GG-----ATTTCATCTCTGATCCCGACCACTCTGGGCGCTTTC 862
DB 817 GGGCTTCACATCCCATCCCAAGATTTACATCTGATTCGGACCTTCTGGGCTTCTC 876
QY 863 CTGCTGGCACTCTGGGCTGGTGTGAAGAGCGCGTTGAAGAGGAGAAAGCCCTCTCC 922
DB 877 TTGCTGGTCTTTTGGGACTGGTGTGAAGAGCGCATTCAAAGAGGAGAGCGCTCTCC 936
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QY 971 ---CAGAGGCGCGGGTCCCGGAGCGCGCTTCCCAAAACATCTACAGCGCTG 1027
DB 997 ACACAGCGCGGGATGCGCGGAGAGCGCGCTTCCGAACCAACCTCTACAGCGCTG 1056
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DB 1057 CCGCGGCGCGAGCGGACAGAGAGCTTGGGTCCAGCGAGGAGCTCCGCTCTCAACGCG 1116
QY 1088 GGAGCGCGGTGTGCGCGCGCGCTGAGGTGTCTGAATCTCCCTGGCTTCCATGCCCA 1147
DB 1117 CCAGCTCAGCGTCCCGCGCTTCCGCGAGTACTTGAAGCTCTTGGCGCCACACCCA 1176

QY 1148 TCTCTGAAGACCAGCTGTGAATAGCTGAGGCTCTACCACAGAGCTGCGGCCATGATGGAG 1207
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QY 1208 CACAGTGAATCAGATGACTTACATCAATGTTCTCTGCTGCACAACTCCCGACGTATGCCCA 1267
DB 1237 GACCTGATTCAGATGATTACATCAATATTCCTGAC---CCATCTCATCTCCCTAGCTATG 1294
QY 1268 ACCCAGGCTGGAGCTGTGTGCGCAAGAGTCTCTATCTATCTGTGTATGTCCTCAATAGCTG 1327
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; Sequence 577, Application US/10152661
; Publication No. US20030022835A1
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; TITLE OF INVENTION: and Methods for Their Use
; FILE REFERENCE: 11000.1011cs
; CURRENT APPLICATION NUMBER: US/10/152.661
; PRIOR FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: 09/866,050
; PRIOR FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 60/221,232
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: 60/206,650
; PRIOR FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: 09/312,283
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: PCT/NZ99/00051
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 09/188,930
; PRIOR FILING DATE: 1998-11-09
; PRIOR APPLICATION NUMBER: 09/069,726
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 725
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 577
; LENGTH: 1480
; TYPE: DNA
; ORGANISM: Mouse
US-10-152-661-577

Query Match 29.5%; Score 563.6; DB 14; Length 1480;
Best Local Similarity 67.5%; Pred. No. 3.3e-169;
Matches 940; Conservative 0; Mismatches 389; Indels 63; Gaps 8;
QY 62 CTGAAGGCAACATGAGCTTCTGGCTTTGGCCACTTTACTTCTCCAGTATCAGGGGCC 121
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QY 182 TGCCCACTTCCCTGAATGATGTGAGGATATATCTGTGCGGGAGATGCTGGATCTGGA 241

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Qy 242 ACATGTGTGTCGGTATCCACCACCAACTTTCATCAGCCAGATACAGAGGCCGAGTT 301
Db 223 ATATCTCTCCATCTGGTGTCCACAC---CTTTGTCAAGAGGAATATGAAGGCGGAGTC 279
Qy 302 ACTCTGAAGCAATACCCACGCAAGAATCTGTTCCTAGTGAGGTAAACACAGCTGNCAGAA 361
Db 280 ACCCTGAGCCCATGCTTGATAGAAGACTATTCCTAGTGGAGATGACACAGCTGACCGGAA 339
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Db 340 AATGACGATGAATCTATGCTGTGGTGTGGCGATGAAGACAGACAAGGCAAGCCAG 399
Qy 422 AAAGTCACCTGAATGTCCACAGTGAATAC---GAGCCATCATGGGAAGACGACCCAAATG 478
Db 400 AAATCACCCTGATGTCCATTAATGATACCCAGAACCAATCTCGGAGATGAATGGACC 459
Qy 479 CCTGAGACTCCAAATGGTTTCATCTGCGCCTATTGTTCAGATGCC----- 525
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Qy 526 --TGCATATGCCAGTCTTCCAAATTCGTAAACAGAGTTACACACAGCTCRAAGGGC 583
Db 520 AGTGAACATCCAGCTCTCTTGGAGTCATAGCCAAAGTTACCGCCAGCTTCAAAGACT 579
Qy 584 AAGTCCCTCCAGTTCACACTCTCTCCCCACCACCCAAATACCCACCGCCCTCGAGTG 643
Db 580 GAGGCCCTCGGTTACACGCCCTCCAGCATCACTTCAGTAACCAACATCCCGAGATT 639
Qy 644 TCCAGAGCATCTTCAGTAGCAGTGAAGAAGCCCGAAGCTTCCTGGCATCCTACAGCC 703
Db 640 TACAGAGCATTTCTGTCTCAGTACCAAGTCCCGACGCTCTTGGCAGCAACACAGCC 699
Qy 704 TCAAAATCTCAGCTCTCGAGGGGTCTCAAGCCCGACAGCGCCAGCTCAACACCCAC 763
Db 700 TCNAGACTTCCACATCAGCAG---CAATCAGGCCCTAGAGCCAGCTACAGCCACAC 756
Qy 764 ACCAGCTGCACAGCAGAGAGCACTGGACTATGGCTCAGACTGTGGAGGGAAGGCCAA 823
Db 757 ACCAGACTTCATGACAAAGACACGCCACCATGCCCCACACTATGGGAGAGAAGCCGA 816
Qy 824 GG-----ATTTCACATCTGATCCCGACCATCCTGGGCTTTTC 862
Db 817 GGGCTTCACATCCCATCCCAAGATTTCCACATCTGATTCGACCTTCTTGGGCTTTCTC 876
Qy 863 CTGCTGGCACTTCTGGGCTGGTGGTAAAGAGCCGTTGAAGAGGAAGAACTCTCC 922
Db 877 TTGCTGGTTCTTTTGGGACTGGTGGTAAAGAGCCATTCAAGAGGAGAGAGCTCCCTCC 936
Qy 923 AGCGGGGCCCGGCGACTGGCGTGAGGATGCGGCGCTGGAGAGCTCC----- 970
Db 937 AGAGTGGGGCCGCGACTGGCGATGAGGAGGCGAGCGGGGGGTTCGCGCCCTTCCCG 996
Qy 971 ---CAGAGCGCCCGGCTGCTCCCGCGACCGCGCTCCCAAAACACATCTACAGCGCTGC 1027
Db 997 ACACAGCGCGGATGCCCCGACAGCGCGCTCGCAGACACAGCTCTACAGCGCTCC 1056
Qy 1028 CCGGCGCGCTCTGTGGAGCGGACGCTGCAGGCAAGGGAGCGCCCGTTCGCGGCC 1087
Db 1057 CCGCGCGCGCACGGGACACAGACAGCTTGGGTCCAGCGGAGGCTCGCTCTCAACGCC 1116
Qy 1088 GGAGCGCGTGTGCCCCCGCGCTGAGAGTGTCTGAACTCTCCTGGCTCCATGCCCA 1147
Db 1117 CAGCGCTCAGCGTCCCGGCTTCTCCGAGGTACTTGAAGTCTCTGGCCCCACACCCCA 1176
Qy 1148 TCTCTGAAGACAGCTGTGAATAGTGAAGCTTACCAACAGCGCTGCGGCGCATGAG 1207
Db 1177 TCTCTGAAGATGAGCTGTGAATAGTGAAGCTTGGGCTACCAAGCTGTGTCTCAACTGGAA 1236
Qy 1208 GACAGTGAATCAGATGACTACATAATGTTCTGCTGACAACTCCCGAGTATCCGCCA 1267
Db 1237 GACCGCTGATTCAGATGATTACATCAATATTCCTGAC--CCATCTCATCTCCTAGCTATG 1294
```

```
Qy 1268 ACCCAGGCTCGACTGTGTGCGCAGGAGTCTCATCTATCTGCTGATGTCCAATACCTG 1327
Db 1295 CCCAGGGCCAGATCTTCATGCAATGAGTTCTGCTGTTCGTGATGCTAGCACGTT 1354
Qy 1328 CTTTCATGTGTTCTCAGAGCCCT-CATCAGTTCCTCATGCCCCCATCTCGACTCCCATCCCA 1386
Db 1355 TTCCTTATAGGATCCCTGTGTCATGGCGTATGCTATACCTAAGTCGACTCTCACTGAC 1414
Qy 1387 TCTATCTGTGGC 1398
Db 1415 TATCTGAATGCC 1426
```

RESULT 4

```
US-09-918-995-16759
; Sequence 16759, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 16759
; LENGTH: 432
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-995-16759
```

```
Query Match 21.1%; Score 403.2; DB 11; Length 432;
Best Local Similarity 95.8%; Pred. No. 3.5e-118;
Matches 414; Conservative 0; Mismatches 18; Indels 0; Gaps 0;
```

```
Qy 698 ACAGCCTCAAAATCTCAGCTCTGGAGGGGTGCTCAAGCCCGCAGAGCCGCTACAA 757
Db 1 ACAGCCTCAAAATCTCAGCTCTGGAGGGGTGCTCTCAAGTCCAGAGCCGCTTCAAC 60
Qy 758 CACCACACAGGCTGCACAGGAGAGAGCAGCTAGGACTATGGCTCAGAGTCTGGAGGGAA 817
Db 61 CACCACACAGGCTGCACAGTGCATCAGCAGCTAGGACTATGGCTCAGAGTCTGGAGGGAA 120
Qy 818 GGCAAGGATTTACATCTCTGATCCCGACCATCTGGGCTTTTCTGCTGGCAGCTCTG 877
Db 221 GGCAAGGATTTACATCTCTGATCCCGACCATCTCTGGGCTTTTCTGCTGGCAGCTCTG 180
Qy 878 GGCTGGTGGTGAAGGGCGGTGAAAGAGAGAAAGCCCTCTCCAGGGGGCGCCCGCA 937
Db 181 GGCTGGTGGTGAAGGGCGGATGAAGAGAGAAAGCCCTCTCCAGGGGGCGCCCGCA 240
Qy 938 CTGGCGCTGAGGATGCGCGCTTGGAGAGCTCCACAGAGCCCGCGGCTCGCGGAGCCG 997
Db 241 CTGGCGCTGAGGATGCTCGGCTTGGAGAGCTCCACAGAGCCCGCGGCTCGCGGAGCCG 360
Qy 998 CGCTCCCAAAACAACTCTACAGCGCTGCCCGGGCGGCTGCTGGAGGAGCAGCTGCA 1057
Db 301 CGTCCCAAAACAACTCTACAGAGCTGCCCGGGCGGCTGCTGGAGGAGCAGCTGCA 360
Qy 1058 GGCAAGGGAGGCGCCCGTTCGCGGCCCGGAGGCGCGCTTGGCGCCCGCCCGCTGAC 1117
Db 361 AGCAAGGGAGGCGCCCGTTCGCGGCCCGGAGGCGCGATAGCGCCCGCCCGCTTGAG 420
Qy 1118 GTGCTGAATCT 1129
Db 421 GTGCTGAATCT 432
```

RESULT 5

RESULT 6

```

; CURRENT FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195,605
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 629
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 64
; LENGTH: 5209
; TYPE: DNA
; ORGANISM: Homo sapiens
us-09-822-846-64

Query Match          7.7%; Score 146.2; DB 11; Length 5209;
Best Local Similarity 98.0%; Pred. No. 3e-35;
Matches 148; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1761 CCTGATCCAAATGTAGCACTTGCTAGTGAAGCTCTACTTATCTCAAGTCTCTATGCTAA 1820
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 4869 CCTGATCCAAATGTAGCACTTGCTAGTGAAGCTCTACTTATCTCAAGTCTCTATGCTAA 4810
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 1821 GGCAATTTATCTTGATGTGATGAACCAAACTTATTAGCAAGATATGATATATATCC 1880
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 4809 GGCAATTTATCTTGATGTGATGAACCAAACTTATTAGCAAGATATGATATATATCC 4750
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 1891 ATAATTCCTTTTACTCTGCTCCATCCTTT 1911
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 4749 ATAATTCCTTTTACTCTGCTCCATCCTTT 4719
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 8
US-10-027-632-157849/c
; Sequence 157849, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 157850
; LENGTH: 804
; TYPE: DNA
; ORGANISM: Human
us-10-027-632-157850

Query Match          4.5%; Score 86.4; DB 13; Length 804;
Best Local Similarity 98.9%; Pred. No. 1.4e-16;
Matches 87; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 359 GAAAGTGACAGCGGAGTCTATGCTCGGAGCGGCATGAACACAGACGCGGGAAGACC 418
      ++++++ ++++++ ++++++ ++++++ ++++++ ++++++ ++++++ ++++++ ++++++
Db 3 GTAAGTGACAGCGGAGTCTATGCTCGGAGCGGCATGAACACAGACGCGGGAAGACC 62
      ++++++ ++++++ ++++++ ++++++ ++++++ ++++++ ++++++ ++++++ ++++++

QY 419 CAGAAAGTCACCCCTGAATGTCACAGTG 446
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 63 CAGAAAGTCACCCCTGAATGTCACAGTG 90
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 10
US-10-027-632-174839
; Sequence 174839, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 157849
; LENGTH: 850
; TYPE: DNA
; ORGANISM: Human
us-10-027-632-157849

Query Match          6.2%; Score 119; DB 13; Length 850;
Best Local Similarity 86.8%; Pred. No. 5.2e-27;
Matches 131; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

QY 412 AAAGACCAGAAAGTACCCCTGAATGCCAGAGTGAATACAGGCCATCATGGGAAGACA 471
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 485 AGAGACCAGCAACATATTCCTCTTCCAAATAGATACAGGCCATCATGGGAAGACA 426
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 472 GCCAATGCTGAGACTCCAAATGGTTTCATCTGCCCTATTGTTCCAGATGCGCTGCA 531
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 425 GCCAATGCTGAGACTCCAAATGGTTTCATCTGCCCTATTGTTCCAGATGCGCTGCA 366
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 532 TGCCAGTCTTCCAAATTCGTAACAGAGTT 562
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
```

```
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 174839
; LENGTH: 603
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-174839

Query Match      4.3%; Score 82; DB 13; Length 603;
Best Local Similarity 100.0%; Pred. No. 3e-15;
Matches 82; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 365 GACAGCGAGTCTATGCTCGGAGCGGATGACACACACCGGGGAAAGACCCAGAAA 424
Db 1 GACAGCGAGTCTATGCTCGGAGCGGATGACACACACCGGGGAAAGACCCAGAAA 60

Qy 425 GTCACCTGAATGTCCACAGTG 446
Db 61 GTCACCTGAATGTCCACAGTG 82

RESULT 11
US-09-908-975-13246
; Sequence 13246, Application US/09908975
; Publication No. US20030165843A1
; GENERAL INFORMATION:
; APPLICANT: SHOSHAN, Avi
; APPLICANT: WASSERMAN, Alon
; APPLICANT: MINTZ, Eli
; APPLICANT: MINTZ, Liat
; APPLICANT: FAIGLER, Simchon
; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICING
; TITLE OF INVENTION: THAT POPULATE A TRANSCRIPTOME
; FILE REFERENCE: 36688-0005
; CURRENT APPLICATION NUMBER: US/09/908,975
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 60/287,724
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: US 60/221,607
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 32337
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 13246
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-908-975-13246

Query Match      3.1%; Score 60; DB 12; Length 60;
Best Local Similarity 100.0%; Pred. No. 8.2e-09;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 249 GTACCGTGGTATCCACCACCACTTCATCAAGCAGAGTACAGGCGCGAGTTACTCTGA 308
Db 1 GTACCGTGGTATCCACCACCACTTCATCAAGCAGAGTACAGGCGCGAGTTACTCTGA 60

RESULT 12
US-09-215-652-15
; Sequence 15, Application US/09215652
; Patent No. US20020045165A1
; GENERAL INFORMATION:
; APPLICANT: Patricia Billing-Medel
; APPLICANT: Maurice Cohen
; APPLICANT: Tracey L. Colpitts
; APPLICANT: Paula N. Friedman
; APPLICANT: Julian Gordon
; APPLICANT: Edward N. Granados
; APPLICANT: Steven C. Hodges
; APPLICANT: Michael R. Klass
; APPLICANT: Jon D. Kratochvil
; APPLICANT: Lisa Roberts-Rapp
; APPLICANT: John C. Russell
```

```
; APPLICANT: Stephen D. Stroupe
; TITLE OF INVENTION: Reagents and Methods Useful for Detecting Diseases of the
; TITLE OF INVENTION: Breast
; FILE REFERENCE: 6192 US, P1
; CURRENT APPLICATION NUMBER: US/09/215,652
; CURRENT FILING DATE: 1998-12-16
; EARLIER APPLICATION NUMBER: US 08/998,496
; EARLIER FILING DATE: 1997-12-26
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 2320
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-215-652-15

Query Match      2.4%; Score 46.6; DB 9; Length 2320;
Best Local Similarity 43.1%; Pred. No. 0.0014;
Matches 223; Conservative 0; Mismatches 294; Indels 0; Gaps 0;

Qy 544 CAATTCGTAAACAGAGTTTACACACACAGCTCAAAGGGGCAAGTCCCTCCAGTTCAACA 603
Db 857 CAAGTTTCAGTAGGTAGCAGAGCCCTGCCAGGCCCTCGAGGCTCTCTGGTGTGGTGGCACA 916

Qy 604 CTCCTCCCCACACCCCAATCAACCCACCGCCCTCGAGTGTCCAGAGCATCTTCAGTAGC 663
Db 917 TACCTTCAGAGACCCCTCCAGAGCACCACATCTCGGCTGTGAGCATGGCACCTGCAGCTGT 976

Qy 664 AGGTGACAAAGCCCGCAACCTTCTGCTCATCTCACTACAGCTCAAAAATCTCAAGCTCTGGA 723
Db 977 GCTGGCATGGCAGGAGGGTCTGACCTCACCAGCCCGCGCTGTTCTCAACCAA 1036

Qy 724 GGGGCTGTCAAGCCCGACAGCCCGAGTACAAACACACACAGGCTGCACAGGCAGAG 783
Db 1037 GGGGAGGGCCATGTCCTATCAGATCCCTGAAGGCGCTTACTGACAGCTGCTGGACAC 1096

Qy 784 AGCACTGGACTATGGCTCACAGTCTGGGAGGAAGGCCAAGGATTTACATCTGATCCC 843
Db 1097 AGTGTGCAATTAGTGTCCCTCCAGAGCTGTGCTGTGAGAGCCGAGAGGGAATTCGG 1156

Qy 844 GACCATCTGTGGGCTTTTCTCTGTGCACTTCTGTGGGCTGTGGTGTAAAGGGCGCTTGA 903
Db 1157 GGACATCGACAAACCCACAGCGAGGTGCGAGCGCGGGAGCGGAGCGAGCGCTCTGG 1216

Qy 904 AAGGAGGAAGCCCTCTCCAGCGGGCCCGCGAGCTGGCCGTGAGGATGCGCGCCCTGA 963
Db 1217 GCGCGCTCCGCGCGCGGAGCGCCCGCGCTCTCGCACAGCCCCCGCGAGCTGCG 1276

Qy 964 GAGCTCCACAGAGCCCGCGGGTTCGCGGAGCCGCGCTCCCAAAACAAACATCTACAGCGC 1023
Db 1277 CAGCGGCGAGAGCCCGCGCGCCCGCGCGCTGGAGGACGAAGTCGCCACGCC 1336

Qy 1024 CTGCGCGCGCGCGCTCTGTGGAGCGGACGCTCGAGGC 1060
Db 1337 CGCAGCGCGCGCGCGGCTTCCGCGCGCTGCGCCGC 1373

RESULT 13
US-09-215-652-16
; Sequence 16, Application US/09215652
; Patent No. US20020045165A1
; GENERAL INFORMATION:
; APPLICANT: Patricia Billing-Medel
; APPLICANT: Maurice Cohen
; APPLICANT: Tracey L. Colpitts
; APPLICANT: Paula N. Friedman
; APPLICANT: Julian Gordon
; APPLICANT: Edward N. Granados
; APPLICANT: Steven C. Hodges
; APPLICANT: Michael R. Klass
; APPLICANT: Jon D. Kratochvil
; APPLICANT: Lisa Roberts-Rapp
; APPLICANT: John C. Russell
```

```
; APPLICANT: Stephen D. Stroupe
; TITLE OF INVENTION: Readouts and Methods Useful for Detecting Diseases of the
; FILE OF INVENTION: Breast
; FILE REFERENCE: 6192.US.P1
; CURRENT APPLICATION NUMBER: US/09/215,652
; CURRENT FILING DATE: 1998-12-16
; EARLIER APPLICATION NUMBER: US 08/998,496
; EARLIER FILING DATE: 1997-12-26
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 16
; LENGTH: 2907
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: base_polymorphism
; LOCATION: 11
; OTHER INFORMATION: /note = "c" represents an a or g or t or c polymorphism at
; OTHER INFORMATION: this position
US-09-215-652-16
```

```
Query Match 2.4%; Score 46.6; DR 9; Length 2907;
Best Local Similarity 43.1%; Pred. No. 0.0017;
Matches 223; Conservative 0; Mismatches 294; Indels 0; Gaps 0;

QY 544 CAATTCGTAAACAGAGTACACACAGCTCAAGGGGCAAGGTCCTCCAGTTCACCA 603
Db 1078 CAAGTTCAAGTAGAGTACAGCCCTCGCAGGCCCTCGAGGCCCTCTGGTGGTGGACACA 1137
QY 604 CTCCTCCCCACACCAATATCAATCCACCGCCCTCGAGTGTCCAGAGCAATCTCAGTAGC 663
Db 1138 TACCCTGCAGACACCTCCAGACCACTCTCGGCTGTGACATGGGCACCTGCAGCTGT 1197
QY 664 AGGTGAGAGCCCGGACCTTCCTGCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCT 723
Db 1198 GCTGGGATGGCAGGAGGGTGTGCACTTCAACACAGCCCGCGTGTTCCTCAACCAA 1257
QY 724 GGGGCTGCTCAAGCCCGACAGCCCGAGTCAACACCAACACAGGCTGCACAGGCGAGAG 783
Db 1258 GGGAGGGCCATGTCCCTATCAGATGCCCTGAAGGCGGTACTGACAAAGTGTGGACAC 1317
QY 784 AGCACTGGACTATGGTTCACAGTCTGGAGGGGAGGCCAAGATTTCAATCTGATGCC 843
Db 1318 AGTGGTGCAATAGTGTCCCGCTCCCGAGGCTGCTGCTGATGGAGCCGCGAGAGTGG 1377
QY 844 GACCATCTGGGCTTTTCCTGTGTCACATCTCTGGGCTGCTGGTGAAGAGGCGGTGA 903
Db 1378 GGACATCGAACAACCCACACCCAGGCTGAGGCGCGGAGCGGAGCGGAGCGTCTGG 1437
QY 904 AAGGAGAAAGCCCTCTCCAGGGGCGCCCGCCGACCTGGCGGCTGAGGATCGCGCCCTGGA 963
Db 1438 GGGCGCTGTCGCGCGCGGAGCGCGCCCGCGCTCTCGCACAGCCCGCGCGAGCTGG 1497
QY 964 GAGCTCCAGAGCGCGCGGGTGGCGGCGGCGCTCCCAAAACAATCTACAGCG 1023
Db 1498 CAGCGCGACAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1557
QY 1024 CTGCGCGCGCGCGCTCTGAGGAGCGAGCGCTGAGGCG 1060
Db 1558 CGCAGCGCGCGCGCGCGGTTCGCGCGCGCTGCGCGCG 1594
```

```
RESULT 14
US-10-184-644-402/c
; Sequence 402, Application US/10184634
; Publication No. US20030044930A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
```

```
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C227
; CURRENT APPLICATION NUMBER: US/10/184,644
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 402
; LENGTH: 653
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-644-402

Query Match 2.3%; Score 43; DB 14; Length 653;
Best Local Similarity 4.8%; Pred. No. 0.0096;
Matches 29; Conservative 196; Mismatches 380; Indels 0; Gaps 0;

QY 548 TTCGTAACAGAGTTACACACAGCTCAAGGGGCAAGTCCCTCCAGTTCACCACTCC 607
Db 607 T...M.A.MM..RSBC.HH....SSSS..GYHM.M..AM.R..YH.MC..M.B..MDN. 548
QY 608 TCCCCACACCCCAATCAACCCAGCCGCTCGAGTGTCCAGAGCATCTTCAGTAGCAGGT 667
Db 547 .STANT.B.RG.HMYN.H..NSSTYSDDYSSYS.SYNYMDMYMDSSSSSSSSB 488
QY 668 GACAAGCCCGCAACTCTCTCCATCCACTACAGCTCAAAATCTCAGCTCTGGAGGG 727
Db 487 S.HFSSSSSSASMYMM.YM..M..MY.M.TSA..MMAM.M..M.I.M.Y..SM.KR 428
QY 728 CTGCTCAAGCCCCAGAGCCCGAGCTAGAACACACAGGCTGCAGAGCAGAGCA 787
Db 427 MD.M..TH.TM.A.H.T.TMRRS.TN..M.....CY.B.A.G.RMYTNYDA..GN.. 368
QY 788 CTGGACATGCTCACAGCTCGGAGGAGGCGCAAGATTCACATCTCATCCCGACC 847
Db 367 T...H..TMN..SCHATR.TCYTB.T.BN.MH...TMNR.NKTHBDYCBM.RHBC.MBGM. 308
QY 848 ATCTGGGCTTTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 907
Db 307 TWST.S.MMY.TST.HH.S.NMS..CYK.S..NS.H.C.M.....BBC.NB.C.SS.KBN. 248
QY 908 AGGAAGCCCTCTCCAGCGCGCGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 967
Db 247 RS..SNSN..BSYFRR.....SS..BC.M.CS.D....SSSR..SBT.M.DRYH.HM.CTY.. 188
QY 968 TCCAGAGCGCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1027
Db 187 HCA.RRS..HCDNSD.BHY..G.IA...DT.HYK.CSC.G..BK..C..Y.SS.YC.B. 128
QY 1028 CGGCGCGCTGCTGAGGCGAGCTGCAGGACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1067
Db 127 HCY..HY....YHK...K.....K..TRDH..SH..N..SAT.THSKWS.T...HTMMS. 68
QY 1088 GGAGCGCGTTCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1147
Db 67 M.....NIBYM.MYC....D....CYT..TTSC...SY.D.NH...SY..S..SSCDGN.S. 8

QY 1148 TCTCT 1152
Db 7 Y..HY 3

RESULT 15
US-10-184-634-402/c
; Sequence 402, Application US/10184634
; Publication No. US2003006864A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
```


Job time : 483 secs

```

; APPLICANT: Chen,Jian
; APPLICANT: Desnoyers,Luc
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SNME
; FILE REFERENCE: P3430R1C217
; CURRENT APPLICATION NUMBER: US/10/184,634
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper of Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 402
; LENGTH: 653
; TYPE: PRT
; ORGANISM: Homo Sapien
; CS-10-184-634-402

Query Match      2.3%: Score 43; DB 14; Length 653;
Best Local Similarity 4.8%: Pred. No. 0.0096;
Matches 29; Conservative 196; Mismatches 380; Indels 0; Gaps 0;

QY 548 TTCGTACCCAGGTACACACACAGCTCAAGGGGCAAGGTCCGTCAGTTCACCACTCC 607
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
607 T...M.A.MM..RSRBC.HH...SSSS..GYHM.M..AM.R.YH.MC..M.B..MDN. 548
QY 608 TCCCCACACCCCAATCACCCACCGCGCTCGAGTGTCCAGAGCATCTTCAGTAGCAGGT 667
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
667 .STSAANT.B.RG.HMYN.H..NSSTYSDDYSSSS.SYNYMDMDYDCSSSSSSSSB 488
QY 668 GACAAAGCCCGAAGCTTCCTGCCATCCACTACAGCCTCAAAATCTCAGCTCTGGAGGG 727
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
727 S..HTSSBSSSSASMYMM.YM..MY.M.TSA..MMAM.M..M.T.M.Y...SM.KR 428
QY 728 CTGCTCAAGCCCGCAGCCGCTCAGCTACACACACACAGCGCTGCGACGAGAGCA 787
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
787 MD.M..TH.THM.A.H.T.TMRRS.TN..M.....CCY.B.A.G.RMYTNYDA.GN.. 368
QY 788 CTGCACTATGGCTCAGAGTCTGGAGGAGGAGGCAAGGATTCACATCCTGATCCCGACC 847
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
847 T...H..TMN..SCMATR.TCYTB.T.BN.MH...TMNR.NKTHBDYCBM.RHBC.MEGM. 308
QY 848 ATCCTGGCCCTTTCCTGCTGGCACTCTCGGCTGTGGGCTGTGGTGAAGGGCGCTGAAGG 907
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
907 TWSTS.MMY.TST.HH.S.NWS..CYK.S..NS.H.C.M.....BBC.NB..C.SS.KBN. 248
QY 908 AGGAAAGCCCTCTCAGGCGCGCGCGCTGAGGATGCGCGCGCTGGAGAGC 967
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
967 RS...SNSN..BSYRR.....SS.BC.M.CS.D...SSSR.SBT.M.DRYH.HM.CTY... 189
QY 968 TCCAGAGCGCGCGCGGCTCCCGCGGCGGCTCCCAAAACACATCTACAGCGCGCTGC 1027
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
1027 HCA..RRS..HCDNSDS.BHY..G.TA...DT.HYK.CSC.G..BK..C..Y.SS.YC.B. 128
QY 1028 CCGCGCGCGCTGCTGGAGGAGGCGCTGCGAGGAGGAGGCGCGCTCCGCGCGCC 1087
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
1087 HCY...HY...YYHKS...K.....K.TRPH.SH.N..SAT.THSWWS.T...HIMS. 68
QY 1088 GGAGCGCGCTGCGCGCGCGCGCGCTGCGAGGTGTCTGAATCTCCCTGGCTCCATGCCCA 1147
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
1147 M....NHHYM.MYC...D....CYT..TISC..SY.D.NH...SY..S..SSCDGN.S. 8
QY 1148 TCTCT 1152
DB   | | | |
1152 Y..HY 3
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Search completed: September 14, 2003, 04:06:35

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 14, 2003, 04:07:51 ; Search time 19 Seconds
(without alignments)
868.486 Million cell updates/sec

Title: US-09-651-150b-2
Perfect score: 2055
Sequence: 1 MDRWLWPLYFLPVSGALRIIL.....KQPAAMMEDSDSDYINVPA 390
Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*1: /cgn2.6/ptodata/2/iaa/5A-COMB.pep:.*
2: /cgn2.6/ptodata/2/iaa/5B-COMB.pep:.*
3: /cgn2.6/ptodata/2/iaa/6A-COMB.pep:.*
4: /cgn2.6/ptodata/2/iaa/6B-COMB.pep:.*
5: /cgn2.6/ptodata/2/iaa/PCTUS-COMB.pep:.*
6: /cgn2.6/ptodata/2/iaa/packfiles1.pep:.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2055	100.0	390	4	US-09-050-861B-2
2	2047	99.6	390	3	US-08-961-564A-2
3	1157	56.3	422	4	US-09-724-864-45
4	550	26.8	107	3	US-08-961-564A-4
5	380	18.5	73	4	US-09-050-861B-3
6	233	11.3	43	4	US-09-050-861B-12
7	198	9.6	771	3	US-08-434-000A-8
8	198	9.6	771	4	US-09-312-157-8
9	187	9.1	109	3	US-08-961-564A-9
10	185	9.0	789	3	US-08-434-000A-10
11	185	9.0	769	4	US-09-312-157-10
12	182	8.9	608	4	US-09-095-385-4
13	182	8.9	746	3	US-08-434-000A-4
14	182	8.9	746	4	US-09-312-157-4
15	182	8.9	757	3	US-08-434-000A-5
16	182	8.9	757	4	US-09-312-157-6
17	166.5	8.1	624	2	US-08-642-406A-22
18	166.5	8.1	624	4	US-09-199-534-22
19	166.5	8.1	624	4	US-09-199-534-22
20	166.5	8.1	773	3	US-08-434-000A-2
21	166.5	8.1	773	4	US-09-312-157-2
22	129.5	6.3	332	4	US-09-996-243-517
23	121	5.9	439	4	US-09-252-991A-17127
24	117.5	5.7	476	3	US-08-487-550-4
25	117.5	5.7	476	4	US-09-526-098-4
26	117	5.7	453	3	US-08-466-151-8
27	117	5.7	453	4	US-08-466-163B-8

28	115	5.6	579	4	US-09-252-991A-26166	Sequence 26166, A
29	113.5	5.5	2337	3	US-08-713-118-2	Sequence 2, Appli
30	113.5	5.5	2337	3	US-09-452-007-2	Sequence 2, Appli
31	113	5.5	282	4	US-09-252-991A-28598	Sequence 28598, A
32	112	5.5	451	2	US-08-887-352B-14	Sequence 14, Appl
33	112	5.5	451	2	US-08-887-352B-16	Sequence 16, Appl
34	112	5.5	451	3	US-08-466-151-65	Sequence 65, Appl
35	112	5.5	451	3	US-09-109-207C-14	Sequence 14, Appl
36	112	5.5	451	3	US-09-109-207C-16	Sequence 16, Appl
37	112	5.5	451	3	US-09-296-005-14	Sequence 14, Appl
38	112	5.5	451	3	US-09-296-005-16	Sequence 16, Appl
39	111	5.4	476	2	US-08-378-939-10	Sequence 10, Appl
40	110	5.4	366	4	US-09-252-991A-24338	Sequence 24338, A
41	109.5	5.3	335	4	US-09-252-991A-23674	Sequence 23674, A
42	109.5	5.3	467	4	US-09-252-991A-18296	Sequence 18296, A
43	109.5	5.3	2339	1	US-08-455-543A-47	Sequence 47, Appl
44	109.5	5.3	2339	2	US-08-223-305C-47	Sequence 47, Appl
45	109.5	5.3	2339	4	US-09-268-163-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1
US-09-050-861B-2
: Sequence 2, Application US/05050861B
: Patent No. 6555314
: GENERAL INFORMATION:
: APPLICANT: Payan, Donald
: TITLE OF INVENTION: TOSO AS A TARGET FOR DRUG SCREENING
: FILE REFERENCE: RIGL-002CON
: CURRENT APPLICATION NUMBER: US/09/050.861B
: CURRENT FILING DATE: 1998-03-30
: PRIOR APPLICATION NUMBER: US/09/651,150B
: PRIOR FILING DATE: 2000-08-30
: PRIOR APPLICATION NUMBER: US 09/050.861
: PRIOR FILING DATE: 1998-03-30
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 2
: LENGTH: 390
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-050-861B-2

Query Match	100.0%	Score	2055;	DB	4;	Length	390;		
Best Local Similarity	100.0%;	Pred. No.	5.5e-179;						
Matches	390;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
QY	1	MDRWLWPLYFLPVSGALRIILPEVKVSGELGGSVTKCPLEPMHVRIYLCREMGAGSGTCGT	60						
DB	1	MDRWLWPLYFLPVSGALRIILPEVKVSGELGGSVTKCPLEPMHVRIYLCREMGAGSGTCGT	60						
QY	61	VVSTTNFKAEYKGRVTLKOYPRKNLFLVEVTOLTESDSGVYACGAGMNTDRGKTQKVIL	120						
DB	61	VVSTTNFKAEYKGRVTLKOYPRKNLFLVEVTOLTESDSGVYACGAGMNTDRGKTQKVIL	120						
QY	121	NVHSEYFSPSEEQMPETPKWFHLPYLFQMPAYASSSKFVTRVTTIPAQRGKVPVPHHSSP	180						
DB	121	NVHSEYFSPSEEQMPETPKWFHLPYLFQMPAYASSSKFVTRVTTIPAQRGKVPVPHHSSP	180						
QY	181	ITQITHPRVSRASSVAGDKPRTFLPSTTASKISALEGLLKPTQPSYNNHHTLHRRALD	240						
DB	181	ITQITHPRVSRASSVAGDKPRTFLPSTTASKISALEGLLKPTQPSYNNHHTLHRRALD	240						
QY	241	YGSOSGREGQGFHLIPTILGLFLLALLGLVWRAVERRKALSRARRLAVRMRALESSQ	300						
DB	241	YGSOSGREGQGFHLIPTILGLFLLALLGLVWRAVERRKALSRARRLAVRMRALESSQ	300						
QY	301	RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVPGCAPLPAPLQVSESPWLHAPSL	360						
DB	301	RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVPGCAPLPAPLQVSESPWLHAPSL	360						

QY 361 KTSCEYVSLYHOPAAAMMEDSDSDYINVPA 390
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Db 361 KTSCEYVSLYHOPAAAMMEDSDSDYINVPA 390
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RESULT 2
US-08-961-564A-2
; Sequence 2, Application US/08961564A
; Patent No. 6114515
; GENERAL INFORMATION:
; APPLICANT: WU, SHUJIAN
; APPLICANT: SWEET, RAYMOND
; APPLICANT: TRUNER, ALEMGED
; TITLE OF INVENTION: PIGRL-1, A MEMBER OF IMMUNOGLOBULIN
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: RATNER & PRESTIA
; STREET: P.O. BOX 980
; CITY: VALLEY FORGE
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/961.564A
; FILING DATE: 30-OCT-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/056,935
; FILING DATE: 25-AUG-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: PRESTIA, PAUL F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GH-70236
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0701
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 390 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-961-564A-2

Query Match 99.6%; Score 2047; DB 3; Length 390;
Best Local Similarity 99.7%; Pred. No. 2.9e-178;
Matches 389; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 MDRWLPLFLVPSGALRILPEVKVEGELGGSVTIKCPLEPMHVRIYLCREMAGSGTCGT 60
|||
Db 1 MDFWLMLFLVPSGALRILPEVKVEGELGGSVTIKCPLEPMHVRIYLCREMAGSGTCGT 60
|||
QY 61 VYSTTNFKAKEYGRVTLKQYPRKNLFVETQLTESDSGYVACGAGMNTDRGKTQKVTL 120
|||
Db 61 VYSTTNFKAKEYGRVTLKQYPRKNLFVETQLTESDSGYVACGAGMNTDRGKTQKVTL 120
|||
QY 121 NVHSEYEPSWEEQPMPTPKWFLPYLFQMPAYASSKKEVTRVTPAQRGKVPVHHSSP 180
|||
Db 121 NVHSEYEPSWEEQPMPTPKWFLPYLFQMPAYASSKKEVTRVTPAQRGKVPVHHSSP 180
|||
QY 181 TTTQTHRPVSRASSVAGDKPRTFLPSTASKISALEGLLKPTQPSYNNHTRLRHALD 240
|||
Db 181 TTTQTHRPVSRASSVAGDKPRTFLPSTASKISALEGLLKPTQPSYNNHTRLRHALD 240
|||
QY 241 YGSQSGREGQGFHILPTILGLFLALLGLVYKRAVERRKALSRRLAVRMALESSQ 300
|||||

Db 241 YGSQSGREGQGFHILPTILGLFLALLGLVYKRAVERRKALSRRLAVRMALESSQ 300
|||||
QY 301 RPRGSPRPRSONNIYSACPRRARGADAAGTGPVPGAPLPAPLOVSESPWLHAPSL 360
|||||
Db 301 RPRGSPRPRSONNIYSACPRRARGADAAGTGPVPGAPLPAPLOVSESPWLHAPSL 360
|||||
QY 361 KTSCEYVSLYHOPAAAMMEDSDSDYINVPA 390
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Db 361 KTSCEYVSLYHOPAAAMMEDSDSDYINVPA 390
|||||
RESULT 3
US-09-724-864-45
; Sequence 45, Application US/09724864
; Patent No. 6380362
; GENERAL INFORMATION:
; APPLICANT: Watson, James D
; APPLICANT: Murison, James G
; TITLE OF INVENTION: Polynucleotides, polypeptides expressed
; TITLE OF INVENTION: by the polynucleotides and methods for their use.
; FILE REFERENCE: 11000.105001
; CURRENT APPLICATION NUMBER: US/09/724,864
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: U.S. No. 6380362 60/171,678
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 45
; LENGTH: 422
; TYPE: PRT
; ORGANISM: Mouse
US-09-724-864-45

Query Match 56.3%; Score 1157; DB 4; Length 422;
Best Local Similarity 57.5%; Pred. No. 3.6e-97;
Matches 234; Conservative 46; Mismatches 107; Indels 20; Gaps 6;
QY 1 MDRWLPLFLVPSGALRILPEVKVEGELGGSVTIKCPLEPMHVRIYLCREMAGSGTCGT 60
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Db 1 MDFWLMLFLVPSGALRILPEVKVEGELGGSVTIKCPLEPMHVRIYLCREMAGSGTCGT 60
|||
QY 61 VYSTTNFKAKEYGRVTLKQYPRKNLFVETQLTESDSGYVACGAGMNTDRGKTQKVTL 120
|||
Db 61 VYSTTNFKAKEYGRVTLKQYPRKNLFVETQLTESDSGYVACGAGMNTDRGKTQKVTL 120
|||
QY 121 NVHSEY-EPSWEEQPMPTPKWFLPYLFQMP-----AYASSKKEVTRVTPAQRGKVPV 174
|||
Db 120 NVHSEYEPFWEDEWTSERPRWLHRFLQHMPLHGSEHPSSSGVIAKVTPASKTEAPP 179
|||
QY 175 VHSSTPTTQTHRPVSRASSVAGDKPRTFLPSTASKISALEGLLKPTQPSYNNHTRLH 234
|||
Db 180 VHPQSSITSVTOHPRVYRAFSVSATKSPALLPATASKISTQQA-IRPLEASYSHHTKLH 238
|||
QY 235 QRALDYQSQSGREGQGFHILPTILGLFLALLGLVYKRAVERRKALSRRL 287
|||
Db 239 EQTRHGHGPHYGREDGRHLPIPEPHILPTILGLFLALLGLVYKRAVERRKALSRRL 298
|||
QY 288 RLAVRMALESS-----QPRGSPRPRSONNIYSACPRRARGADAAGTGPVPGAPLP 342
|||
Db 299 RLAVRMALESS-----QPRGSPRPRSONNIYSACPRRARGADAAGTGPVPGAPLP 358
|||
QY 343 PPAPLOVSESPWLHAPSLKTSCEYVSLYHOPAAAMMEDSDSDYINVP 389
|||
Db 359 SPASPOVLEAPWPHPTPSLAKMSCEYVSLGQPAVNLEDPSDDYINIP 405
|||

RESULT 4
US-08-961-564A-4
; Sequence 4, Application US/08961564A
; Patent No. 6114515
; GENERAL INFORMATION:
; APPLICANT: WU, SHUJIAN

```
; ORGANISM: Homo sapiens
; US-09-050-861B-3
;
; Query Match      18.5%; Score 380; DB 4; Length 73;
; Best Local Similarity 98.6%; Pred. No. 1.7e-27;
; Matches 72; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
;
; QY 33 VTIKCPLPEMHVRIYLCREMAGSGTCGVVSTTNFIKAHYKGRVTLKQYPRKNLFLVEVT 92
;      |||||||
; DB 1 VTIKCPLPEMHVRIYLCREMAGSGTCGVVSTTNFIKAHYKGRVTLKQYPRKNLFLVEVT 60
;      |||||||
;
; QY 93 QLTESDSGVYACG 105
;      |||||||
; DB 61 QLTESDSGVYACG 73
;      |||||||
;
; RESULT 6
; US-09-050-861B-12
; Sequence 12, Application US/09050861B
; Patent No. 6555314
; GENERAL INFORMATION:
; APPLICANT: Payan, Donald
; TITLE OF INVENTION: TOSO AS A TARGET FOR DRUG SCREENING
; FILE REFERENCE: RIGL-002CON
; CURRENT APPLICATION NUMBER: US/09/050.861B
; CURRENT FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: US/09/551.150B
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: US 09/050.861
; PRIOR FILING DATE: 1998-03-30
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 12
; LENGTH: 43
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-050-861B-12
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; Query Match      11.3%; Score 233; DB 4; Length 43;
; Best Local Similarity 100.0%; Pred. No. 2e-14;
; Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; QY 300 QRPGRSPRSONNIYSACPRRARGADAAGTGEAPVPGPGAPL 342
;      |||||||
; DB 1 QRPGRSPRSONNIYSACPRRARGADAAGTGEAPVPGPGAPL 43
;      |||||||
;
; RESULT 7
; US-08-434-000A-8
; Sequence 8, Application US/08434000A
; Patent No. 6046037
; GENERAL INFORMATION:
; APPLICANT: ANDREW C. HIATT, JULIAN
; APPLICANT: K.-C. MA, THOMAS LEHNER
; TITLE OF INVENTION: IMMUNOGLOBULINS CONTAINING PROTECTION
; TITLE OF INVENTION: PROTEINS IN PLANTS AND THEIR USES
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/434,000A
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; APPLICANT: SWEET, RAYMOND
; APPLICANT: TRUNER, ALESECED
; TITLE OF INVENTION: PIGRL-1, A MEMBER OF IMMUNOGLOBULIN
; TITLE OF INVENTION: GENE SUPERFAMILY
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: RATNER & PRESTIA
; STREET: P.O. BOX 980
; CITY: VALLEY FORGE
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/961.564A
; FILING DATE: 30-OCT-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/056.935
; FILING DATE: 25-AUG-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: PRESTIA, PAUL F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GH-70236
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0701
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 107 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-961-564A-4
;
; Query Match      26.8%; Score 550; DB 3; Length 107;
; Best Local Similarity 99.0%; Pred. No. 9.8e-43;
; Matches 104; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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; QY 1 MDRWLWPLYFLPVSGALRIIPVKVGEGLGSGVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
;      |||||||
; DB 1 MDRWLWPLYFLPVSGALRIIPVKVGEGLGSGVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
;      |||||||
;
; QY 61 VVSTTNFIKAHYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACG 105
;      |||||||
; DB 61 VVSTTNFIKAHYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACG 105
;      |||||||
;
; RESULT 5
; US-09-050-861B-3
; Sequence 3, Application US/09050861B
; Patent No. 6555314
; GENERAL INFORMATION:
; APPLICANT: Payan, Donald
; TITLE OF INVENTION: TOSO AS A TARGET FOR DRUG SCREENING
; FILE REFERENCE: RIGL-002CON
; CURRENT APPLICATION NUMBER: US/09/050.861B
; CURRENT FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: US/09/551.150B
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: US 09/050.861
; PRIOR FILING DATE: 1998-03-30
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 3
; LENGTH: 73
; TYPE: PRT
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: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA: including application
: PRIOR APPLICATION DATA: described below: 1
: APPLICATION NUMBER: 08/367,395
: FILING DATE: 12/30/94
: ATTORNEY/AGENT INFORMATION:
: NAME: Guise, Jeffrey W.
: REGISTRATION NUMBER: 34,613
: REFERENCE/DOCKET NUMBER: 212/127
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (619) 552-8400
: TELEFAX: (619) 552-0159
: TELEX: 67-3510
: SEQUENCE LISTING
: INFORMATION FOR SEQ ID NO: 8:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 771 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: SEQUENCE DESCRIPTION: Mouse Polyimmunoglobulin Receptor
US-08-434-000A-8

Query Match          9.68; Score 198; DB 3; Length 771;
Best Local Similarity 31.58; Pred. No. 1.7e-09;
Matches 53; Conservative 23; Mismatches 68; Indels 24; Gaps 5;

QY 10 FLPVSGALRLPEVKVEGELGGSVTKICPLPE----MHVRIYLCREMAGSGTGIVYSTI 65
DB 13 FSGVSTKSPIFGPOEVSSIEGDSVITCYYPDTSVNRHTRKYWCROGA-SGMCTTILISSN 71
QY 66 NFIAEYKGRVTLKQYPRKNLFLVEVTQLTESDGSVYACGAGMNTDRGKTOKVTLNVHSE 125
DB 72 GYLSKEYSGRANLINFENNTFVINIQLTQDDTGSYKCGLG-TSNRGLSFDVSLEV--- 127
QY 126 YEPSWEQPMETPKFHLFVLFOMPAYASSKSFVTRVTPAQRGKVP 173
DB 128 -----SQVPELPSDTHV-----YTKDIGRNVIECPFKRENVP 160

RESULT 8
US-09-312-157-8
: Sequence 8, Application US/09312157
: Patent No. 6303341
: GENERAL INFORMATION:
: APPLICANT: ANDREW C. HIATT, JULIAN
: K-C MA, THOMAS LEHNER
: TITLE OF INVENTION: IMMUNOGLOBULINS CONTAINING PROTECTION
: NUMBER OF SEQUENCES: 19
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Lyon & Lyon
: STREET: 633 West Fifth Street
: Suite 4700
: CITY: Los Angeles
: STATE: California
: COUNTRY: U.S.A.
: ZIP: 90071
: COMPUTER READABLE FORM:
: MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
: storage
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: IBM P.C. DOS 5.0
: SOFTWARE: Word Perfect 5.1
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/312,157
: FILING DATE: 14-May-1999
: CLASSIFICATION: <unknown>
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/434,000
: FILING DATE: <Unknown>

```

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: ATTORNEY/AGENT INFORMATION:
: NAME: Guise, Jeffrey W.
: REGISTRATION NUMBER: 34,613
: REFERENCE/DOCKET NUMBER: 212/127
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (619) 552-8400
: TELEFAX: (619) 552-0159
: TELEX: 67-351
: SEQUENCE LISTING
: INFORMATION FOR SEQ ID NO: 8:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 771 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: SEQUENCE DESCRIPTION: Mouse Polyimmunoglobulin Receptor
US-09-312-157-8

Query Match          9.68; Score 198; DB 4; Length 771;
Best Local Similarity 31.58; Pred. No. 1.7e-09;
Matches 53; Conservative 23; Mismatches 68; Indels 24; Gaps 5;

QY 10 FLPVSGALRLPEVKVEGELGGSVTKICPLPE----MHVRIYLCREMAGSGTGIVYSTI 65
DB 13 FSGVSTKSPIFGPOEVSSIEGDSVITCYYPDTSVNRHTRKYWCROGA-SGMCTTILISSN 71
QY 66 NFIAEYKGRVTLKQYPRKNLFLVEVTQLTESDGSVYACGAGMNTDRGKTOKVTLNVHSE 125
DB 72 GYLSKEYSGRANLINFENNTFVINIQLTQDDTGSYKCGLG-TSNRGLSFDVSLEV--- 127
QY 126 YEPSWEQPMETPKFHLFVLFOMPAYASSKSFVTRVTPAQRGKVP 173
DB 128 -----SQVPELPSDTHV-----YTKDIGRNVIECPFKRENVP 160

RESULT 9
US-08-961-564A-9
: Sequence 9, Application US/08961564A
: Patent No. 6114515
: GENERAL INFORMATION:
: APPLICANT: WUI SHUJIAN
: APPLICANT: SWEET, RAYMOND
: TITLE OF INVENTION: PIGRL-1, A MEMBER OF IMMUNOGLOBULIN
: NUMBER OF SEQUENCES: 9
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: RATNER & PRESTIA
: STREET: P.O. BOX 980
: CITY: VALLEY FORGE
: STATE: PA
: COUNTRY: USA
: ZIP: 19482
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FastSeq for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/961,564A
: FILING DATE: 30-OCT-1997
: CLASSIFICATION: 536
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 60/056,935
: FILING DATE: 25-AUG-1997
: ATTORNEY/AGENT INFORMATION:
: NAME: PRESTIA, PAUL F
: REGISTRATION NUMBER: 23,031
: REFERENCE/DOCKET NUMBER: GH-70236
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 610-407-0700
: TELEFAX: 610-407-0701

```

US-08-434-000A-10
TOPOLOGY: DESCRIPTION: Rat Polyimmunoglobulin Receptor

db 92 TEVINAIHTOETGYSKCSLG-TTNRGLFFDVSLFV-----SOVPEFNDTHV 139

RESULT 12
US-09-095-385-4
: Sequence 4, Application US/09095385
: Patent No. 6300104
: GENERAL INFORMATION:
: APPLICANT: Morrison, Sherie L.
: APPLICANT: Chintalackaruvu, Kote K.
: TITLE OF INVENTION: SECRETORY IMMUNOGLOBULIN PRODUCED
: TITLE OF INVENTION: BY SINGLE CELLS AND METHODS FOR MAKING AND USING
: TITLE OF INVENTION: SAME
: NUMBER OF SEQUENCES: 4
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Merchant, Gould, Smith, Edell, Welter & Schmidt
: STREET: 1150 Santa Monica Boulevard, Suite 400
: CITY: Los Angeles
: STATE: CA
: COUNTRY: USA
: ZIP: 90025

	Query Match	8.9%	Score 182:	DR 4:	Length 608;
	Best Local Similarity	37.4%;	Pred. No. 3.5e-08;		
	Matches	43;	Conservative	20;	Mismatches 40;
				Indels	12: Gaps
					5:
QY	12	PVSGALRILPEVKYVEGLGSGVTIKCLP	---	EMHVRIVYLCREMAGSGTCGTGVSTINF	67
Db	21	P1FG-----PE-EVNSVEGNSVSTCYPTSVNRHTRKYWCROARGG-CITLISSEGY	73		
QY	68	IKAEYKGRVTLKQYPRKRLFLVEVTLQTESDSGVYACGAGMNTDRGK10KVFLNV	122		
		:		:	
Db	74	VSKSYKAGRANLTNPENCTFVNVAQLSDSDSGRYKCGLGINS-RGLSPEDVSLEV	127		
		:		:	

RESULT 13
US-08-434-000A-4
? Sequence 4, Application US/08434000A
? Patent No. 6046037
? GENERAL INFORMATION:
? APPLICANT: ANDREW C. HIAIT, JULIAN
? APPLICANT: K.-C. MA, THOMAS LEHNER
? TITLE OF INVENTION: IMMUNOGLOBULINS CONTAINING PROTECTION
? TITLE OF INVENTION: PROTEINS IN PLANTS AND THEIR USES

```

1  NUMBER OF SEQUENCES: 19
2  CORRESPONDENCE ADDRESS:
3  ADDRESSEE: Lyon & Lyon
4  STREET: 633 West Fifth Street
5  STREET: Suite 4700
6  CITY: Los Angeles
7  STATE: California
8  COUNTRY: U.S.A.
9  ZIP: 90071
10 COMPUTER READABLE FORM:
11 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
12 MEDIUM TYPE: storage
13 COMPUTER: IBM Compatible
14 OPERATING SYSTEM: IBM P.C. DOS 5.0
15 SOFTWARE: Word Perfect 5.1
16 CURRENT APPLICATION DATA:
17 APPLICATION NUMBER: US/08/434,000A
18 FILING DATE:
19 CLASSIFICATION: 435
20 PRIOR APPLICATION DATA: including application
21 PRIOR APPLICATION DATA: described below:
22 APPLICATION NUMBER: 08/367,395
23 FILING DATE: 12/30/94
24 ATTORNEY/AGENT INFORMATION:
25 NAME: Guise, Jeffrey W.
26 REGISTRATION NUMBER: 34,613
27 REFERENCE/DOCKET NUMBER: 212/127
28 TELECOMMUNICATION INFORMATION:
29 TELEPHONE: (619) 552-8400
30 TELEFAX: (619) 552-0159
31 TELEX: 67-3510
32 TELEX: SEQUENCE LISTING
33 INFORMATION FOR SEQ ID NO: 4:
34 SEQUENCE CHARACTERISTICS:
35 LENGTH: 746 amino acids
36 TYPE: amino acid
37 STRANDEDNESS: single
38 TOPOLOGY: linear
39 DESCRIPTION: Human Polymunoglobulin Receptor
40 US-08-434-000A-4
41
42 Query Match 8.98; Score 182; DB 3; Length 746;
43 Best Local Similarity 37.4%; Pred. No. 4.6e-08;
44 Matches 43; Conservative 20; Mismatches 40; Indels 12; Gaps
45
46 CY 12 PVSGALRIPLPEVKVEGELGSGVTKIKPLP----EMHVRIVLCRENAGSGTCGTVVSTIN
47 DB 3 PIFG----PE-EVNSVEGNSVITCYPPISVNRHRYKWCRCQARGG-CITLISSEG
48
49 QY 68 IKAIEKGRVILKQYPRKNLFELVEVTLTSDSGYACGAGMMDRGKTKQVTLNW 122
50 DB 56 VSSYAGRANLTNFPENGTFVNWIAGLSODSGRYKCGGLGINS-RGLSPDVSLEY 109
51
52 RES:IL 14
53 US-09-312-157-4
54 Sequence 4, Application US/09312157
55 Patent No. 6303341
56 GENERAL INFORMATION:
57 APPLICANT: ANDREW C. HIATT, JULIAN
58 K.-C. MA, THOMAS LEHNER
59 TITLE OF INVENTION: PROTEINS IN PLANTS AND THEIR USES
60
61 NUMBER OF SEQUENCES: 19
62 CORRESPONDENCE ADDRESS:
63 ADDRESSEE: Lyon & Lyon
64 STREET: 633 West Fifth Street
65 STREET: Suite 4700
66 CITY: Los Angeles
67 STATE: California
68 COUNTRY: U.S.A.
69 ZIP: 90071

```



```

: CURRENT APPLICATION NUMBER: US-60/495,133
:
: CURRENT FILING DATE: 2003-08-15
: NUMBER OF SEQ ID NOS: 18339
:
: SOFTWARE: FastSEQ for Windows Version 4.0
: SEQ ID NO 39
: LENGTH: 8324
: TYPE: DNA
: ORGANISM: Homo sapiens
: US-60-495-135-39

```

[illegible]

```

RESULT 3
US-60-495-114-16327
; Sequence 16327, Application US/60495114
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; TITLE OF INVENTION: POLYMORPHISMS IN NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: ENCODING HUMAN PROTEASE PROTEINS, METHODS OF DETECTION AND
; FILE REFERENCE: CL00148C
; CURRENT APPLICATION NUMBER: US/60/495,114
; CURRENT FILING DATE: 2003-08-15
; NUMBER OF SEQ. ID NOS: 91238
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16327
; LENGTH: 80948
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(80948)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see tab
US-60-495-114-16327

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	Query Match	2.5%	Score 48.4;	DB 7;	Length 80948;
	Best Local Similarity	50.9%;	Pred. No.	0.012;	
	Matches 115;	Conservative	0;	Mismatches 111;	Indels 0; Gaps 0;
Qy	894	GCGCCGCTTGAAGAGGAAAGCCTCTCCACAGGGGCCGCCACTGGCGTCAGAGATGC	953		
Db	5994	GCGCGGATCTCCCCAGTACCCTCCGCGCCCGCCCGCCCGCCCGCCCGCCCGCACGC	6053		
Oy	954	GCGCCCTGGAGACTCCCAGAGAGCCCCCGGGGTGCGCGGACACCGCTCCCAAAACA	1013		
Db	6054	TGGCCCGCGCCCGCTGGCGCGCGCTCGCCCGCCCGCCCGCCCGCGCTCAGCCCGAAG	6113		
Oy	1014	TCCTACAGCGCTTGCCCGCGCGCGCTGTGTGAGGACGCTGCAGGCACAGGGAGGCC	1073		
Db	6114	TTTCTCGCGCGCGGGAGGGGCTGAGGCTGTGCTGTGCTCTCACC GGTC CCGGCC	6173		
Oy	1074	CCGTCCCGCCCCGAGACGCCCTTGCCCCCCCCCGCGTGCAGGT	1119		
Db	6174	GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCTCACCGCTCGCT	6219		

RESULT 4

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US-60-495-135-3608
: Sequence 3608, Application US/60495135
: GENERAL INFORMATION:
: APPLICANT: CARGILL, Michele
: TITLE OF INVENTION: POLYMORPHISMS IN NUCLEIC ACID MOLECULES
: TITLE OF INVENTION: ENCODING HUMAN ENZYME PROTEINS, METHODS OF DETECTION AND
: TITLE OF INVENTION: USES THEREOF
: FILE REFERENCE: CL001479
: CURRENT APPLICATION NUMBER: US/60/495,135
: CURRENT FILING DATE: 2003-08-15
: NUMBER OF SEQ ID NOS: 18339
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 3608
: LENGTH: 80948
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)...(80948)
: OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see T
: US-60-495-135-3608

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[illegible]

RESULT 5

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PCT-US03-23760-4
: Sequence 4. Application PC/TUS0323760
: GENERAL INFORMATION:
: APPLICANT: Isis Pharmaceuticals, Inc.
: APPLICANT: Sanjay Bhanot
: APPLICANT: Susan M. Freier
: TITLE OF INVENTION: ANTISENSE MODULATION OF PERILIPIN EXPRESSION
: FILE REFERENCE: RTS-0355WO
: CURRENT APPLICATION NUMBER: PCT/US03/23760
: CURRENT FILING DATE: 2003-07-30
: PRIOR APPLICATION NUMBER: 10/213,796
: PRIOR FILING DATE: 2002-08-06
: NUMBER OF SEQ ID NOS: 170
: SEQ ID NO 4
: LENGTH: 2904
: TYPE: DNA
: ORGANISM: H. sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (125)...(1693)
PCT-US03-23760-4

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Query Match      2.5%; Score 48.2; DB 1; Length 2904;
Best Local Similarity 43.3%; Pred. No. 0.0022;
Matches 224; Conservative 0; Mismatches 293; Indels 0; Gaps 0;
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APPLICANT: VENTER, J. Craig
TITLE OF INVENTION: COLLECTION OF SINGLE NUCLEOTIDE POLYMORPHISM (SNPs) LOCATED ON CH
FILE REFERENCE: C1001298
CURRENT APPLICATION NUMBER: US/09/947,914
CURRENT FILING DATE: 2001-09-07
NUMBER OF SEQ ID NOS: 75
SEQ ID NO 75
LENGTH: 4813087
TYPE: DNA
ORGANISM: HUMAN
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(4813087)
OTHER INFORMATION: n = A,T,C or G
US-09-947-914-75

Query Match 2.2%; Score 42; DB 5; Length 4813087;
Best Local Similarity 52.2%; Pred. No. 7.8;
Matches 93; Conservative 0; Mismatches 85; Indels 0; Gaps 0;

Qy 929 GCCCGCGAGTGGCGGTGAGATCGCGCCCTGGAGAGCTCCAGAGGCGCCCGGGGTGG 988
Db GACCGAGACCCCGCCAGCCCGCCGACCTCCAGAGGCGCCCGGAGCCCGAGCCGCGCA 3670733

Qy 989 CCGCGAGCGCGCTCCCAAAACATCTACAGCGCTTCCCGGCGCGCTCGTGGAGCG 1048
Db GCGCCACACTCACTCACAGGCGCTGCAAACTTCGGCGCGCGCCCGCACTCACCCCA 3670733

Qy 1049 GACGCTCAGCGACAGGGAGGCGCCGCTCCGCGCGCGGAGCGGCTTCCCGCCG 1106
Db GCGCCCGAGACACCCCGCAGCCCGCAGCGCGCGCGCTTCCCGCCG 3670851

RESULT 9
US-10-648-593-107/c
Sequence 107, Application US/10648593
GENERAL INFORMATION:
APPLICANT: Bristol-Myers Squibb Company
TITLE OF INVENTION: IDENTIFICATION OF GENES FOR PREDICTING ACTIVITY OF COMPOUNDS THAT
INTERACT WITH AND/OR MODULATE PROTEIN TYROSINE KINASES AND/OR
TITLE OF INVENTION: PROTEIN TYROSINE KINASE PATHWAYS IN BREAST CELLS
FILE REFERENCE: D0273 NP
CURRENT APPLICATION NUMBER: US/10/648,593
CURRENT FILING DATE: 2003-08-26
PRIOR APPLICATION NUMBER: 60/406,385
PRIOR FILING DATE: 2002-08-27
NUMBER OF SEQ ID NOS: 557
SOFTWARE: PatentIn version 3.2
SEQ ID NO 107
LENGTH: 1433
TYPE: DNA
ORGANISM: Homo sapiens
US-10-648-593-107

Query Match 2.2%; Score 41.8; DB 6; Length 1433;
Best Local Similarity 46.7%; Pred. No. 0.11;
Matches 133; Conservative 0; Mismatches 152; Indels 0; Gaps 0;

Qy 841 CCCGACCATCTCGGCGCTTTTCCTGCTGGGCTTCTGGGCTGGTGTGAAAGGGCGGI 900
Db CCGGACGAGTCCCGCATGCGATGCGGCGCTCCGCGCACTCGGCGCCACCGCGCGGG 307

Qy 901 TGAAGGAGGAAGCCCTCTCCAGCGGGCGCGGCTGAGGCTGAGGATGCGCGCCT 960
Db CGGCGCAACCGCGGGCGCCGAGCGCGCTCGGCTGTCGAGGGCGGCGAGCG 247

Qy 961 GGAGAGTCCAGAGGCGCGCGGCTCCAGCGGCTCCCAAAACATCTACAG 1020
Db GAACGACACCTCCG 187

Qy 1021 CGCTGCGCGCGCGCGCTCGCTGGAGGCGCGCTGCGAGGACAGGGAGGCGCGCGCTTC 1080
Db CGCTGCGCGCGCGCGCTCGCTGGAGGCGCGCTGCGAGGACAGGGAGGCGCGCGCTTC 1080

186 CAGCGCAGCAGCGGCGAGCAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCTCT 127
Qy 1081 CGCGCCCGGAGCGCGCTTCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCTCTGA 1125
Db 126 CGGACGATGCTGGCGGTGGGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCTCT 82

RESULT 10
US-10-365-352-41/c
Sequence 41, Application US/10365352
GENERAL INFORMATION:
APPLICANT: Wright, Christopher
APPLICANT: Werther, George
APPLICANT: Dean, Nicholas
APPLICANT: Dobie, Kenneth
TITLE OF INVENTION: Modulation of insulin-like growth factor I receptor expression
FILE REFERENCE: 22975202500
CURRENT APPLICATION NUMBER: US/10/365,352
CURRENT FILING DATE: 2003-02-11
NUMBER OF SEQ ID NOS: 98
SOFTWARE: PatentIn version 3.1
SEQ ID NO 41
LENGTH: 1433
TYPE: DNA
ORGANISM: human
US-10-365-352-41

Query Match 2.2%; Score 41.8; DB 6; Length 1433;
Best Local Similarity 46.7%; Pred. No. 0.11;
Matches 133; Conservative 0; Mismatches 152; Indels 0; Gaps 0;

Qy 841 CCGCAGCATCTGGGCGCTTTCTGCTGGCAGCTTGTGGGCTGGTGTGAAAGGGCGCT 900
Db CCGGAGGAGCTCGCGCATGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCTCT 307

Qy 901 TGAAGGAGGAAGCCCTCTCCAGCGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCTCT 960
Db CGGCGCAACCGCGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCTCTCGGCTGTCAGGGCGGCGAGCG 247

Qy 961 GGAGAGTCCAGAGGCGCGCGGCTCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCTCTACAG 1020
Db GAACGACACCTCCG 187

Qy 1021 CGCTGCGCGCGCGCGCTCGTGGAGGCGCGCTGCGAGGACAGGGAGGCGCGCGCTTC 1080
Db CAGCGCAGCAGCTCT 127

Qy 1081 CGGCGCGCGAGCGCGCTTCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCTCTGA 1125
Db CGGACGATGCTGGCGGTGGGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCTCT 82

RESULT 11
PCT-US02-38582-298/c
Sequence 298, Application PC/TUS0238582
GENERAL INFORMATION:
APPLICANT: SAGRES DISCOVERY
APPLICANT: MORRIS, David W.
APPLICANT: ENGELHARD, Eric K.
TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
FILE REFERENCE: 529452000143
CURRENT APPLICATION NUMBER: PCT/US02/38582
CURRENT FILING DATE: 2003-06-03
PRIOR APPLICATION NUMBER: 09/997,722
PRIOR FILING DATE: 2001-11-30
NUMBER OF SEQ ID NOS: 301
SOFTWARE: PastSeq for Windows Version 4.0
SEQ ID NO 298
LENGTH: 99957
TYPE: DNA
ORGANISM: Homo Sapien
FEATURE:

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: September 14, 2003, 04:22:36 : Search time 27 Seconds
(without alignments)
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Title: US-09-651-150B-2

Perfect score: 2055

Sequence: 1 MDRWLWPLFLPVSGALRIL.....HQRAMMEDSDSDYINVPA 390

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 541936 seqs, 1459:2426 residues

Total number of hits satisfying chosen parameters: 541936

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_AA:*

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2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
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13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2055	100.0	390	10	US-09-135-238B-2
2	732	35.6	255	11	US-09-866-050A-683
3	331.5	16.1	84	10	US-09-135-238B-3
4	233	11.3	43	10	US-09-135-238B-12
5	198	9.6	771	10	US-09-982-107-8
6	198	9.6	771	12	US-09-949-039-68
7	195	9.5	771	10	US-09-818-247-4
8	185	9.0	769	10	US-09-818-247-3
9	185	9.0	769	10	US-09-982-107-10
10	185	9.0	769	12	US-09-949-039-69
11	184	9.0	758	12	US-09-949-039-66
12	182	8.9	608	10	US-09-950-294-4
13	182	8.9	746	10	US-09-982-107-4
14	182	8.9	757	10	US-09-818-247-2
15	182	8.9	757	10	US-09-982-107-6

16	182	8.9	757	12	US-09-949-039-67	Sequence 67, Appl
17	182	8.9	764	10	US-09-818-247-1	Sequence 1, Appl
18	182	8.9	764	10	US-09-981-353-59	Sequence 59, Appl
19	182	8.9	764	10	US-09-989-919-124	Sequence 124, App
20	182	8.9	764	12	US-09-949-039-65	Sequence 65, Appl
21	179	8.7	732	10	US-09-818-247-5	Sequence 5, Appl
22	179	8.7	733	12	US-09-949-039-70	Sequence 70, Appl
23	176.5	8.6	602	14	US-10-047-542-51	Sequence 51, Appl
24	170.5	8.3	305	15	US-10-188-012-1	Sequence 1, Appl
25	167.5	8.2	772	12	US-09-949-039-71	Sequence 71, Appl
26	166.5	8.1	624	11	US-09-491-322-22	Sequence 22, Appl
27	166.5	8.1	624	12	US-10-372-614-22	Sequence 22, Appl
28	166.5	8.1	771	12	US-09-969-748C-13	Sequence 13, Appl
29	166.5	8.1	771	12	US-09-949-039-99	Sequence 99, Appl
30	166.5	8.1	773	10	US-09-818-247-6	Sequence 6, Appl
31	166.5	8.1	773	10	US-09-982-107-2	Sequence 2, Appl
32	149	7.3	382	15	US-10-188-012-3	Sequence 3, Appl
33	129.5	6.3	332	9	US-09-989-722-517	Sequence 517, App
34	129.5	6.3	332	9	US-09-989-723-517	Sequence 517, App
35	129.5	6.3	332	9	US-09-989-729-517	Sequence 517, App
36	129.5	6.3	332	9	US-09-989-727-517	Sequence 517, App
37	129.5	6.3	332	10	US-09-989-731-517	Sequence 517, App
38	129.5	6.3	332	10	US-09-989-732-517	Sequence 517, App
39	129.5	6.3	332	10	US-09-991-073-517	Sequence 517, App
40	129.5	6.3	332	10	US-09-990-442-517	Sequence 517, App
41	129.5	6.3	332	10	US-09-991-163-517	Sequence 517, App
42	129.5	6.3	332	10	US-09-993-604-517	Sequence 517, App
43	129.5	6.3	332	10	US-09-990-456-517	Sequence 517, App
44	129.5	6.3	332	10	US-09-989-721-517	Sequence 517, App
45	129.5	6.3	332	10	US-09-978-295A-216	Sequence 216, App

ALIGNMENTS

RESULT 1
US-09-135-238B-2
: Sequence 2, Application US/09135238B
: Patent No. US20020177565A1
: GENERAL INFORMATION:
: APPLICANT: No. US20020177565Alan, Garry P.
: APPLICANT: Hitoshi, Yasumichi
: TITLE OF INVENTION: TOSO
: FILE REFERENCE: A65635-1/OJB/RMS
: CURRENT APPLICATION NUMBER: US/09/135.238B
: CURRENT FILING DATE: 1998-08-17
: PRIOR APPLICATION NUMBER: 60/066.063
: PRIOR FILING DATE: 1997-11-17
: NUMBER OF SEQ ID NOS: 31
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 2
: LENGTH: 390
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-135-238B-2

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			0;	Gaps
				0;
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Qy	61	VVSTINFIAKEYGKRVTLKOYPRKNLFLVEVTOLIESDSGVYACGAGMNTDRGKTOKVTL	120	
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Qy	121	NVHSEYEPSNEEQPMETPKWFLPYLFQMPAYASSKVFTRVTTTTPAQRKGVPPVHHSSP	180	
Db	121	NVHSEYEPSNEEQPMETPKWFLPYLFQMPAYASSKVFTRVTTTTPAQRKGVPPVHHSSP	180	
Qy	181	TTQITHRPRVSRASSVAGDKPRTFLSTASKISALEGLLKPOTPSYNHHTRLHROALD	240	

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Db 181 TTQITHPRVSRASSVAGDKPTFLPSTTASKISALEGLLAKPTQPSYNNHHTLHRQALD 24C
Qy 241 YGSQSGREGCGFHILPTILGLFLALLGLVYKRAVERRKALSRARLAVRMALESSQ 300
Db 241 YGSQSGREGCGFHILPTILGLFLALLGLVYKRAVERRKALSRARLAVRMALESSQ 300
Qy 301 RPRGSPRPRSQNNIYSACPRARGADAAGIAPVPGGAPLPAPLQVSESPWLHAPSL 360
Db 301 RPRGSPRPRSQNNIYSACPRARGADAAGIAPVPGGAPLPAPLQVSESPWLHAPSL 360
Qy 361 KTSCEYVSLYHOPAAAMMEDSDDDYINVPA 390
Db 361 KTSCEYVSLYHOPAAAMMEDSDDDYINVPA 390

RESULT 2
US-09-866-050A-683
; Sequence 683, Application US/09866050A
; Publication No. US20030040471A1
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; TITLE OF INVENTION: and Methods for Their Use
; FILE REFERENCE: 11000.1011c4U
; CURRENT APPLICATION NUMBER: US/09/866,050A
; CURRENT FILING DATE: 2001-05-24
; NUMBER OF SEQ ID NOS: 725
; SOFTWARE: FastSeq for Windows Version: 4.0
; SEQ ID NO 683
; LENGTH: 255
; TYPE: PR1
; ORGANISM: Mouse
US-09-866-050A-683
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Best Local Similarity 56.0%; Pred. No. 7.5e-53;
Matches 144; Conservative 34; Mismatches 71; Indels 8; Gaps 4;

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Db 1 MDRWLWLYFLPVSGALRILPEVQLNVEWGGSIIECPQLQHLVRMYLCRQAKPGICSI 60
Qy 61 VYSTINFIAEYKGRVITLQYPRKNLFLVEVTQLTESDSGVYACAGNMTDRGKTQKVL 12C
Db 61 VYSNT-FYKKEVERVTLTPCLDKKLFVEMTQLTENDDGIYACGVGKMTDKGKTQKIL 119
Qy 121 NVHSEY-EPSWEEQMPETPKWFLPYLFQMP-----AYASSKFVTRVTTPAQRGVPP 174
Db 120 NVHSEYEPFWEDETSERPKLHFLQHPWLHGSRPSSSGVIKAVTTTPASKIEAPP 179
Qy 175 VHHSSPTQITRPRVSRASSVAGDKPTFLPSTTASKISALEGLLAKPTQPSYNNHHTRLH 234
Db 180 VHQPSSITSVTHQPRVYRAFSVATKSPALLPATTASKTSTQQA-IRPLEASYSHHTRLH 238
Qy 235 RORALDYGSGSGREGQ 251
Db 239 EQTRRHGHGYGREDRG 255
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RESULT 3
US-09-135-238B-3
; Sequence 3, Application US/09135238B
; Patent No. US20020177565A1
; GENERAL INFORMATION:
; APPLICANT: No. US20020177565Alan, Garry P.
; APPLICANT: Hitoshi, Yasumichi
; TITLE OF INVENTION: TOSO
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; FILE REFERENCE: A65635-1/DJB/RMS
; CURRENT APPLICATION NUMBER: US/09/135,238B
; CURRENT FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 60/066,063
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 84
; TYPE: PR1
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (13)..(16)
; OTHER INFORMATION: The xaa at positions 13 through 16 represents an
; OTHER INFORMATION: unknown amino acid.
; NAME/KEY: UNSURE
; LOCATION: (44)..(48)
; OTHER INFORMATION: The xaa at positions 44 through 48 represents an
; OTHER INFORMATION: unknown amino acid.
; NAME/KEY: UNSURE
; LOCATION: (61)..(62)
; OTHER INFORMATION: The xaa at positions 61 and 62 represents an
; OTHER INFORMATION: unknown amino acid.
; US-09-135-238B-3
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Query Match 16.1%; Score 331.5; DB 10; Length 84;
Best Local Similarity 82.1%; Pred. No. 3.1e-20;
Matches 69; Conservative 2; Mismatches 2; Indels 11; Gaps 3;

Qy 33 VTIKCLPEMHV---RIVLCREMAGSGTGTWVSTNFIKAE----YKGRVTLKQYPR 83
Db 1 VTIKCLPEMHVXXXRIYKRENAGSGTGTWVSTNFIKAEXXXXXXYKGRVTLKQYPR 60
Qy 84 --KNLFLVEVTQLTESDSGVYACG 105
Db 61 XXKNLFLVEVT2LTESDSGVYACG 84
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RESULT 4
US-09-135-238B-12
; Sequence 12, Application US/09135238B
; Patent No. US20020177565A1
; GENERAL INFORMATION:
; APPLICANT: No. US20020177565Alan, Garry P.
; APPLICANT: Hitoshi, Yasumichi
; TITLE OF INVENTION: TOSO
; FILE REFERENCE: A65635-1/DJB/RMS
; CURRENT APPLICATION NUMBER: US/09/135,238B
; CURRENT FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 60/066,063
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 43
; TYPE: PR1
; ORGANISM: Homo sapiens
; US-09-135-238B-12
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Query Match 11.3%; Score 233; DB 10; Length 43;
Best Local Similarity 100.0%; Pred. No. 2e-12;
Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 300 QRPGRSPRPRSQNNIYSACPRARGADAAGTGEAPVPGGAPL 342
Db 1 QRPGRSPRPRSQNNIYSACPRARGADAAGTGEAPVPGGAPL 43
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RESULT 5
US-09-982-107-8
; Sequence 8, Application US/09982107
; Patent No. US20020159958A1
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; GENERAL INFORMATION:
; APPLICANT: HIAIT, ANDREW C.
; APPLICANT: HEIN, MICH B.
; TITLE OF INVENTION: METHODS FOR PRODUCING IMMUNOGLOBULINS CONTAINING
; TITLE OF INVENTION: PROTECTION PROTEINS IN PLANTS AND THEIR USE
; FILE REFERENCE: EPI3002E
; CURRENT APPLICATION NUMBER: US/09/982.107
; CURRENT FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-982-107-8

Query Match          9.6%  Score 198;  DB 10;  Length 771;
Best Local Similarity 31.5%  Pred. No. 6.9e-08;
Matches 53;  Conservative 23;  Mismatches 68;  Indels 24;  Gaps 5;

QY 10 FLPVSGALRIILPEVKVEGELGSGVTIKCPLE-----MHVRIYLCREMAGSGTCGTVVSIT 65
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Db 13 FSGVSTKSPIFGPQEVSSIEGDSVITCYYPDTSVNRHTRKYWCROGA-SGMCTTILSSN 71
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QY 66 NFIAEYKGRVTLKQYPRKNLFLVEVTQLTESDSCVYACGAGMNTDRGKTOKVTLNVHSE 125
   :| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 72 GYLKEYSGRANLINFENNFTVINIEQLTQDDTGSYKCGLG-TSNRGLSPDVSLEV--- 127
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QY 126 YEPSWEEOPMPETPKWFLHPLFOMPAYASSKSFVVRTTTPAQRGKVP 173
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RESULT 6
US-09-949-039-68
; Sequence 68, Application US/09949039
; Publication No. US20030166160A1
; GENERAL INFORMATION:
; APPLICANT: HAWLEY, STEPHEN B.
; TITLE OF INVENTION: COMPOUNDS AND MOLECULAR COMPLEXES COMPRISING MULTIPLE
; TITLE OF INVENTION: BINDING REGIONS DIRECTED TO TRANSCYTOTIC LIGANDS
; FILE REFERENCE: 057220/1301
; CURRENT APPLICATION NUMBER: US/09/949.039
; CURRENT FILING DATE: 2001-09-06
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 68
; LENGTH: 771
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-949-039-68

Query Match          9.6%  Score 198;  DB 12;  Length 771;
Best Local Similarity 31.5%  Pred. No. 6.9e-08;
Matches 53;  Conservative 23;  Mismatches 68;  Indels 24;  Gaps 5;

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QY 65 NFIAEYKGRVTLKQYPRKNLFLVEVTQLTESDSCVYACGAGMNTDRGKTOKVTLNVHSE 125
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Db 72 GYLKEYSGRANLINFENNFTVINIEQLTQDDTGSYKCGLG-TSNRGLSPDVSLEV--- 127
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QY 126 YEPSWEEOPMPETPKWFLHPLFOMPAYASSKSFVVRTTTPAQRGKVP 173
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Db 128 -----SQVPELPDTHV-----YTKDIGNRVNTEICPFKRENVP 160
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RESULT 7
US-09-818-247-4
; Sequence 4, Application US/09818247
; Patent No. US20020102657A1
; GENERAL INFORMATION:
; APPLICANT: Mostov, Keith E.
; APPLICANT: Chapin, Steven J.
; APPLICANT: Richman-Eisenstat, Janice
; TITLE OF INVENTION: Ligands Directed to the No. US20020102657A1-Secretory Compo
; TITLE OF INVENTION: Ligands Directed to the No. US20020102657A1-Secretory Compo
; FILE REFERENCE: 18062E-0009100S
; CURRENT APPLICATION NUMBER: US/09/818.247
; CURRENT FILING DATE: 2001-03-26
; PRIOR FILING DATE: 2001-03-26
; PRIOR FILING DATE: 2001-03-26
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-03-27
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat polymeric immunoglobulin receptor (pIgr)
US-09-818-247-3

Query Match          9.5%  Score 195;  DB 10;  Length 771;
Best Local Similarity 34.5%  Pred. No. 1.2e-07;
Matches 48;  Conservative 21;  Mismatches 54;  Indels 16;  Gaps 4;

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QY 66 NFIAEYKGRVTLKQYPRKNLFLVEVTQLTESDSCVYACGAGMNTDRGKTOKVTLNVHSE 125
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QY 126 YEPSWEEOPMPETPKWFLHPL 144
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RESULT 8
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; Sequence 3, Application US/09818247
; Patent No. US20020102657A1
; GENERAL INFORMATION:
; APPLICANT: Mostov, Keith E.
; APPLICANT: Chapin, Steven J.
; APPLICANT: Richman-Eisenstat, Janice
; TITLE OF INVENTION: Ligands Directed to the No. US20020102657A1-Secretory Compo
; TITLE OF INVENTION: Ligands Directed to the No. US20020102657A1-Secretory Compo
; FILE REFERENCE: 18062E-0009100S
; CURRENT APPLICATION NUMBER: US/09/818.247
; CURRENT FILING DATE: 2001-03-26
; PRIOR FILING DATE: 2001-03-26
; PRIOR FILING DATE: 2001-03-26
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-03-27
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat polymeric immunoglobulin receptor (pIgr)
US-09-818-247-3
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Job time : 29 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 14, 2003, 04:19:31 : Search time 148 Seconds
(without alignments)
2397.759 Million cell updates/sec

Title: US-09-651-150B-2
Perfect score: 2055
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Searched: 5728757 seqs, 909918778 residues

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	2055	100.0	390	20 US-09-651-150B-2	Sequence 2, Appli
3	2047	99.6	390	1 PCT-US03-02353-6	Sequence 6, Appli
4	2047	99.6	390	20 US-09-606-827-2	Sequence 2, Appli
5	2047	99.6	390	22 US-09-791-537-147671	Sequence 147671,
6	2047	99.6	390	26 US-10-036-657-20	Sequence 20, Appl
7	2047	99.6	390	32 US-60-443-566-3396	Sequence 3396, Ap
8	2047	99.6	390	32 US-60-452-680-19862	Sequence 19862, A
9	2047	99.6	390	32 US-60-455-444-6231	Sequence 6251, Ap
10	2047	99.6	390	32 US-60-465-241-6231	Sequence 6251, Ap
11	1258	61.2	237	21 US-09-724-676A-55585	Sequence 55585, A
12	1258	61.2	237	21 US-09-724-676A-55585	Sequence 55585, A
13	732	35.6	255	23 US-09-866-050A-683	Sequence 683, App
14	564	27.4	134	22 US-09-758-471-4928	Sequence 4928, Ap
15	564	27.4	134	28 US-10-235-953-4928	Sequence 4928, Ap
16	550	26.8	107	20 US-09-606-827-4	Sequence 4, Appli
17	410	20.0	97	18 US-09-471-276-1562	Sequence 1562, Ap
18	405	19.7	77	32 US-60-160-203-3913	Sequence 3913, Ap
19	405	19.7	77	32 US-60-160-209-2816	Sequence 2816, Ap
20	380	18.5	73	20 US-09-651-150B-3	Sequence 3, Appli
21	337	16.4	66	14 US-09-057-719-879	Sequence 879, App
22	331.5	16.1	84	15 US-09-135-238B-3	Sequence 3, Appli
23	233	11.3	43	15 US-09-135-238B-12	Sequence 12, Appl
24	233	11.3	43	20 US-09-651-150B-12	Sequence 12, Appl
25	198	9.6	771	21 US-09-717-888-8	Sequence 8, Appli
26	198	9.6	771	22 US-09-791-537-16417	Sequence 16417, A
27	198	9.6	771	24 US-09-949-039-68	Sequence 68, Appl
28	198	9.6	771	25 US-09-982-107-8	Sequence 8, Appli
29	195	9.5	771	22 US-09-791-537-71418	Sequence 71418, A
30	195	9.5	771	23 US-09-818-247-4	Sequence 4, Appli
31	185	9.0	578	30 US-10-450-186-27	Sequence 27, Appl
32	185	9.0	769	21 US-09-717-888-10	Sequence 10, Appl
33	185	9.0	769	23 US-09-818-247-3	Sequence 3, Appli
34	185	9.0	769	24 US-09-949-039-69	Sequence 69, Appl
35	185	9.0	769	25 US-09-982-107-16	Sequence 16, Appl
36	184	9.0	758	22 US-09-791-537-137299	Sequence 137299,
37	184	9.0	758	24 US-09-949-039-66	Sequence 66, Appl
38	183.5	8.9	544	32 US-60-443-566-2806	Sequence 2806, Ap
39	183.5	8.9	544	32 US-60-452-680-14220	Sequence 14220, A
40	182	8.9	194	22 US-09-760-479-663	Sequence 663, App
41	182	8.9	194	28 US-10-206-008-663	Sequence 663, App
42	182	8.9	607	16 US-09-275-667-8	Sequence 8, Appli
43	182	8.9	608	25 US-09-950-294-4	Sequence 4, Appli
44	182	8.9	746	21 US-09-717-888-4	Sequence 4, Appli
45	182	8.9	746	25 US-09-982-107-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1
US-09-135-238B-2
; Sequence 2, Application US/09135238B
; GENERAL INFORMATION:
; APPLICANT: Nolan, Garry P.
; APPLICANT: Hitoshi, Yasumichi
; TITLE OF INVENTION: TOSO
; FILE REFERENCE: A65635-1/DJB/RMS
; CURRENT APPLICATION NUMBER: US/09/135,238B
; CURRENT FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 60/066,063
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-135-238B-2

Query Match 100.0%; Score 2055; DB 15; Length 390;
Best Local Similarity 100.0%; Pred. No. 2.4e-161;
Matches 390; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDRWLPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
DB 1 MDRWLPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
QY 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTQKVTL 120
DB 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTQKVTL 120
QY 121 NVHSEYEPSWEEQPMPTPKWFHLPLYFOMPAYASSSKFVTRVTTPAQRGKVPVPHHSSP 180
DB 121 NVHSEYEPSWEEQPMPTPKWFHLPLYFOMPAYASSSKFVTRVTTPAQRGKVPVPHHSSP 180
QY 181 TTQIITHRPRVSRASSVAGDKPRTFLPSTTASIKSALEGLLKQTPSPSYNHHTRLHRQALD 240
DB 181 TTQIITHRPRVSRASSVAGDKPRTFLPSTTASIKSALEGLLKQTPSPSYNHHTRLHRQALD 240
QY 241 YGSQSGREGGQHILPTILGLFLALLGLVVKRAVERRKALSRARRLAVRMRALESSQ 300
DB 241 YGSQSGREGGQHILPTILGLFLALLGLVVKRAVERRKALSRARRLAVRMRALESSQ 300
QY 301 RPRGSPRPSNNIYSACPRRARGADAAGTGEAPVPGGAPLPAPLOVSESPWLHAPSL 360
DB 301 RPRGSPRPSNNIYSACPRRARGADAAGTGEAPVPGGAPLPAPLOVSESPWLHAPSL 360
QY 361 KTSCEYVSLYHQPAAMMEDSDSDYINVPA 390
DB 361 KTSCEYVSLYHQPAAMMEDSDSDYINVPA 390
```

RESULT 2

```
US-09-651-150B-2
; Sequence 2, Application US/09651150B
; GENERAL INFORMATION:
; APPLICANT: Payan, Donald
; TITLE OF INVENTION: TOSO AS A TARGET FOR DRUG SCREENING
; FILE REFERENCE: RIGL-002CON
; CURRENT APPLICATION NUMBER: US/09/651,150B
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: US 09/050,861
; PRIOR FILING DATE: 1998-03-30
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-150B-2
```

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Query Match 100.0%; Score 2055; DB 20; Length 390;
Best Local Similarity 100.0%; Pred. No. 2.4e-161;
Matches 390; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 MDRWLPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
DB 1 MDRWLPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
QY 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTQKVTL 120
DB 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTQKVTL 120
QY 121 NVHSEYEPSWEEQPMPTPKWFHLPLYFOMPAYASSSKFVTRVTTPAQRGKVPVPHHSSP 180
DB 121 NVHSEYEPSWEEQPMPTPKWFHLPLYFOMPAYASSSKFVTRVTTPAQRGKVPVPHHSSP 180
QY 181 TTQIITHRPRVSRASSVAGDKPRTFLPSTTASIKSALEGLLKQTPSPSYNHHTRLHRQALD 240
DB 181 TTQIITHRPRVSRASSVAGDKPRTFLPSTTASIKSALEGLLKQTPSPSYNHHTRLHRQALD 240
QY 241 YGSQSGREGGQHILPTILGLFLALLGLVVKRAVERRKALSRARRLAVRMRALESSQ 300
DB 241 YGSQSGREGGQHILPTILGLFLALLGLVVKRAVERRKALSRARRLAVRMRALESSQ 300
QY 301 RPRGSPRPSNNIYSACPRRARGADAAGTGEAPVPGGAPLPAPLOVSESPWLHAPSL 360
```

```
DB 301 RPRGSPRPSNNIYSACPRRARGADAAGTGEAPVPGGAPLPAPLOVSESPWLHAPSL 360
QY 361 KTSCEYVSLYHQPAAMMEDSDSDYINVPA 390
DB 361 KTSCEYVSLYHQPAAMMEDSDSDYINVPA 390
```

RESULT 3

```
PCT-US03-02353-6
; Sequence 6, Application PC/TUS0302353
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Clapper, Jonathan David
; APPLICANT: Wang, Aijun
; APPLICANT: Ordóñez, Nadia
; APPLICANT: Carter, Lauren
; APPLICANT: McNeill, Patricia Dianne
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis
; TITLE OF INVENTION: and Therapy of Hematological Malignancies
; FILE REFERENCE: 014058-014402PC
; CURRENT APPLICATION NUMBER: PCT/US03/02353
; CURRENT FILING DATE: 2003-01-22
; PRIOR APPLICATION NUMBER: US 10/057,475
; PRIOR FILING DATE: 2002-01-22
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-02353-6
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Query Match 99.6%; Score 2047; DB 1; Length 390;
Best Local Similarity 99.7%; Pred. No. 1.1e-160;
Matches 389; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 MDRWLPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
DB 1 MDRWLPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
QY 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTQKVTL 120
DB 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTQKVTL 120
QY 121 NVHSEYEPSWEEQPMPTPKWFHLPLYFOMPAYASSSKFVTRVTTPAQRGKVPVPHHSSP 180
DB 121 NVHSEYEPSWEEQPMPTPKWFHLPLYFOMPAYASSSKFVTRVTTPAQRGKVPVPHHSSP 180
QY 181 TTQIITHRPRVSRASSVAGDKPRTFLPSTTASIKSALEGLLKQTPSPSYNHHTRLHRQALD 240
DB 181 TTQIITHRPRVSRASSVAGDKPRTFLPSTTASIKSALEGLLKQTPSPSYNHHTRLHRQALD 240
QY 241 YGSQSGREGGQHILPTILGLFLALLGLVVKRAVERRKALSRARRLAVRMRALESSQ 300
DB 241 YGSQSGREGGQHILPTILGLFLALLGLVVKRAVERRKALSRARRLAVRMRALESSQ 300
QY 301 RPRGSPRPSNNIYSACPRRARGADAAGTGEAPVPGGAPLPAPLOVSESPWLHAPSL 360
DB 301 RPRGSPRPSNNIYSACPRRARGADAAGTGEAPVPGGAPLPAPLOVSESPWLHAPSL 360
QY 361 KTSCEYVSLYHQPAAMMEDSDSDYINVPA 390
DB 361 KTSCEYVSLYHQPAAMMEDSDSDYINVPA 390
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RESULT 4

```
US-09-606-827-2
; Sequence 2, Application US/09606827
; GENERAL INFORMATION:
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```
; APPLICANT: WU, SHUIJIAN
; APPLICANT: SWEET, RAYMOND
; TITLE OF INVENTION: TRUNEH, ALEMSEGED
; TITLE OF INVENTION: PIGRL-1, A MEMBER OF IMMUNOGLOBULIN GENE
; FILE REFERENCE: GH-70236-D1
; CURRENT FILING DATE: 1997-08-25
; CURRENT FILING DATE: 1997-10-30
; CURRENT FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: 60/056,935
; PRIOR FILING DATE: 1997-08-25
; PRIOR APPLICATION NUMBER: 08/961,564
; PRIOR FILING DATE: 1997-10-30
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 390
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-09-606-827-2

Query Match          99.6%; Score 2047; DB 20; Length 390;
Best Local Similarity 99.7%; Pred. No. 1.le-160;
Matches 389; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MDRWLWPLYFLPVSGALRILPEVKVEGELGSGVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
DB 1 MDFWLWPLYFLPVSGALRILPEVKVEGELGSGVTIKCPLPEMHVRIYLCREMAGSGTCGT 60

QY 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDGVYACGAGMNTDRGKTQKVL 120
DB 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDGVYACGAGMNTDRGKTQKVL 120

QY 121 NVHSEYEPSWEEOPMETPKWFHLYLFQMPAYASSSKFVTRVTTPAQRGKVPVHHSSP 180
DB 121 NVHSEYEPSWEEOPMETPKWFHLYLFQMPAYASSSKFVTRVTTPAQRGKVPVHHSSP 180

QY 181 TQITHRPRVSRASSVAGDKPRTFLPSTTASIKSALEGLLKPTQTPSYNHHTRLHRQALD 240
DB 181 TQITHRPRVSRASSVAGDKPRTFLPSTTASIKSALEGLLKPTQTPSYNHHTRLHRQALD 240

QY 241 YGSOSGREGOGFHILPTILGLFLLALLGLVVKRAVERKALSRARRLAVRRALESSQ 300
DB 241 YGSOSGREGOGFHILPTILGLFLLALLGLVVKRAVERKALSRARRLAVRRALESSQ 300

QY 301 RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVPGCAPLPAPLQVSESPWLHAPSL 360
DB 301 RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVPGCAPLPAPLQVSESPWLHAPSL 360

QY 361 KTSCEYVSLYHQPAAMMEDSDSDDYINVPA 390
DB 361 KTSCEYVSLYHQPAAMMEDSDSDDYINVPA 390

RESULT 5
US-10-036-657-20
; Sequence 20, Application US/10036657
; GENERAL INFORMATION:
; APPLICANT: Earl Francis Albone, et al.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES
; FILE REFERENCE: GP-70778B-C1
; CURRENT APPLICATION NUMBER: US/10/036,657
; CURRENT FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 20
; LENGTH: 390
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-10-036-657-20

Query Match          99.6%; Score 2047; DB 26; Length 390;
Best Local Similarity 99.7%; Pred. No. 1.le-160;
Matches 389; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MDRWLWPLYFLPVSGALRILPEVKVEGELGSGVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
DB 1 MDFWLWPLYFLPVSGALRILPEVKVEGELGSGVTIKCPLPEMHVRIYLCREMAGSGTCGT 60

QY 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDGVYACGAGMNTDRGKTQKVL 120
DB 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDGVYACGAGMNTDRGKTQKVL 120

QY 121 NVHSEYEPSWEEOPMETPKWFHLYLFQMPAYASSSKFVTRVTTPAQRGKVPVHHSSP 180
DB 121 NVHSEYEPSWEEOPMETPKWFHLYLFQMPAYASSSKFVTRVTTPAQRGKVPVHHSSP 180

QY 181 TQITHRPRVSRASSVAGDKPRTFLPSTTASIKSALEGLLKPTQTPSYNHHTRLHRQALD 240
DB 181 TQITHRPRVSRASSVAGDKPRTFLPSTTASIKSALEGLLKPTQTPSYNHHTRLHRQALD 240

QY 241 YGSOSGREGOGFHILPTILGLFLLALLGLVVKRAVERKALSRARRLAVRRALESSQ 300
DB 241 YGSOSGREGOGFHILPTILGLFLLALLGLVVKRAVERKALSRARRLAVRRALESSQ 300

US-09-791-537-147671
; Sequence 147671, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 147671
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-537-147671
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QY 301 RRGSPRRPSQNNIYSACPRRARGADAAAGTGEAPVPGCAPLPAPLOVSESPLHAPSJ 360
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 301 RRGSPRRPSQNNIYSACPRRARGADAAAGTGEAPVPGCAPLPAPLOVSESPLHAPSJ 360
QY 361 KTSCEVSVLYHOPAAHMEUSDSDYINVPA 390
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 361 KTSCEVSVLYHOPAAHMEUSDSDYINVPA 390

RESULT 7
US-60-443-566-3396
; Sequence 3396, Application US/60443566
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: RHEUMATOID ARTHRITIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001447
; CURRENT APPLICATION NUMBER: US/60/443,566
; CURRENT FILING DATE: 2003-01-30
; NUMBER OF SEQ ID NOS: 25102
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 3396
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-443-566-3396

Query Match 99.6%; Score 2047; DB 32; Length 390;
Best Local Similarity 99.7%; Pred. No. 1,1e-160;
Matches 389; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MDRWLWPLFLPVSGALRILPEVKVEGELGGSVTIKCLPEMHVRIYLCREMGSGTGGI 60
    || ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1 MDFWLWPLFLPVSGALRILPEVKVEGELGGSVTIKCLPEMHVRIYLCREMGSGTGGI 60
QY 61 VVSTTFIKAEYKGRVYLKQYPRKMLFLVEVTQLTESDGVYACAGMNTDRGKTQKVIL 120
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 61 VVSTTFIKAEYKGRVYLKQYPRKMLFLVEVTQLTESDGVYACAGMNTDRGKTQKVIL 120
QY 121 NVHSEYEPSWEQPMETPKWFHLYLFOMPAYASSKFFVTRVTTPAORGKVPVHHSSP 160
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 121 NVHSEYEPSWEQPMETPKWFHLYLFOMPAYASSKFFVTRVTTPAORGKVPVHHSSP 160
QY 181 TQITHRPVSRASSVAGDKPRTFLPSTTASIKISALEGLLKPKQTPSYNNHTLHRQRAID 240
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 181 TQITHRPVSRASSVAGDKPRTFLPSTTASIKISALEGLLKPKQTPSYNNHTLHRQRAID 240
QY 241 YGSQSREGQGFHILPTILGLFLALLLGVYKRAVERKALSRKARLAVRMRALESQ 300
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 241 YGSQSREGQGFHILPTILGLFLALLLGVYKRAVERKALSRKARLAVRMRALESQ 300
QY 301 RRGSPRRPSQNNIYSACPRRARGADAAAGTGEAPVPGCAPLPAPLOVSESPLHAPSJ 360
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 301 RRGSPRRPSQNNIYSACPRRARGADAAAGTGEAPVPGCAPLPAPLOVSESPLHAPSJ 360
QY 361 KTSCEVSVLYHOPAAHMEUSDSDYINVPA 390
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 361 KTSCEVSVLYHOPAAHMEUSDSDYINVPA 390

RESULT 8
US-60-452-680-19862
; Sequence 19862, Application US/60452680
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: GRUPE, Andrew
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001450
; CURRENT APPLICATION NUMBER: US/60/452,680
; CURRENT FILING DATE: 2003-03-07

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121 NVHSEYEPSEWEEQMPETPKWFHLYLFQMPAYASSSKFVTRVTTPAQRGKVPVPHHSSP 180
181 TTQTHPRVSRASSVAGDKPRTLPSTTASKISALEGLLKQTPSPSYNHHTRLHRQALD 240
181 TTQTHPRVSRASSVAGDKPRTLPSTTASKISALEGLLKQTPSPSYNHHTRLHRQALD 240
241 YGSQSGREGCGFHILIPITLIGLFLALLGLVVKRAVERRKALSRARLAVRMALESQ 300
241 YGSQSGREGCGFHILIPITLIGLFLALLGLVVKRAVERRKALSRARLAVRMALESQ 300
301 RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVPGCAPLPAPLQVSESPWLHAPSL 360
301 RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVPGCAPLPAPLQVSESPWLHAPSL 360
361 KTSCEYVSLYHQPAAMMEDSDDDYINVPA 390
361 KTSCEYVSLYHQPAAMMEDSDDDYINVPA 390

RESULT 10
US-60-465-241-6251
: Sequence 6251, Application US/60465241
: GENERAL INFORMATION:
: APPLICANT: CARGILL, Michele
: APPLICANT: BEGOVICH, Ann
: TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
: TITLE OF INVENTION: RHEUMATOID ARTHRITIS, METHODS OF DETECTION AND USES THEREOF
: FILE REFERENCE: CL001468
: CURRENT APPLICATION NUMBER: US/60/465,241
: NUMBER OF SEQ ID NOS: 258418
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 6251
: LENGTH: 390
: TYPE: PR1
: ORGANISM: Homo sapiens
US-60-465-241-6251
Query Match 99.6%, Score 2047, DB 32, Length 390;
Best Local Similarity 99.7%, Pred. No. 1.1e-160;
Matches 389, Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MDRWLWPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
Db 1 MDFWLWPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
Qy 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTOKVTL 120
Db 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTOKVTL 120
Qy 121 NVHSEYEPSEWEEQMPETPKWFHLYLFQMPAYASSSKFVTRVTTPAQRGKVPVPHHSSP 180
Db 121 NVHSEYEPSEWEEQMPETPKWFHLYLFQMPAYASSSKFVTRVTTPAQRGKVPVPHHSSP 180
Qy 181 TTQTHPRVSRASSVAGDKPRTLPSTTASKISALEGLLKQTPSPSYNHHTRLHRQALD 240
Db 181 TTQTHPRVSRASSVAGDKPRTLPSTTASKISALEGLLKQTPSPSYNHHTRLHRQALD 240
Qy 241 YGSQSGREGCGFHILIPITLIGLFLALLGLVVKRAVERRKALSRARLAVRMALESQ 300
Db 241 YGSQSGREGCGFHILIPITLIGLFLALLGLVVKRAVERRKALSRARLAVRMALESQ 300
Qy 301 RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVPGCAPLPAPLQVSESPWLHAPSL 360
Db 301 RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVPGCAPLPAPLQVSESPWLHAPSL 360
Qy 361 KTSCEYVSLYHQPAAMMEDSDDDYINVPA 390
Db 361 KTSCEYVSLYHQPAAMMEDSDDDYINVPA 390
```

RESULT 11

```
US-09-724-676-55585
: Sequence 5585, Application US/09724676
: GENERAL INFORMATION:
: APPLICANT: Compugen LTD
: TITLE OF INVENTION: Variants of alternative splicing
: FILE REFERENCE: 129181.4 Compugen
: CURRENT APPLICATION NUMBER: US/09/724,676
: CURRENT FILING DATE: 2000-11-28
: NUMBER OF SEQ ID NOS: 97222
: SOFTWARE: PatentIn version 3.2
: SEQ ID NO 55585
: LENGTH: 237
: TYPE: PR1
: ORGANISM: Homo sapiens
US-09-724-676-55585
Query Match 61.2%, Score 1258, DB 21, Length 237;
Best Local Similarity 99.6%, Pred. No. 1.7e-95;
Matches 236, Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MDRWLWPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
Db 1 MDFWLWPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
Qy 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTOKVTL 120
Db 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTOKVTL 120
Qy 121 NVHSEYEPSEWEEQMPETPKWFHLYLFQMPAYASSSKFVTRVTTPAQRGKVPVPHHSSP 180
Db 121 NVHSEYEPSEWEEQMPETPKWFHLYLFQMPAYASSSKFVTRVTTPAQRGKVPVPHHSSP 180
Qy 181 TTQTHPRVSRASSVAGDKPRTLPSTTASKISALEGLLKQTPSPSYNHHTRLHRQALD 237
Db 181 TTQTHPRVSRASSVAGDKPRTLPSTTASKISALEGLLKQTPSPSYNHHTRLHRQALD 237

RESULT 12
US-09-724-676A-55585
: Sequence 5585, Application US/09724676A
: GENERAL INFORMATION:
: APPLICANT: Compugen LTD
: TITLE OF INVENTION: Variants of alternative splicing
: FILE REFERENCE: 129181.4 Compugen
: CURRENT APPLICATION NUMBER: US/09/724,676A
: CURRENT FILING DATE: 2000-11-28
: NUMBER OF SEQ ID NOS: 97222
: SOFTWARE: PatentIn version 3.2
: SEQ ID NO 55585
: LENGTH: 237
: TYPE: PR1
: ORGANISM: Homo sapiens
US-09-724-676A-55585
Query Match 61.2%, Score 1258, DB 21, Length 237;
Best Local Similarity 99.6%, Pred. No. 1.7e-95;
Matches 236, Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MDRWLWPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
Db 1 MDFWLWPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
Qy 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTOKVTL 120
Db 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTOKVTL 120
Qy 121 NVHSEYEPSEWEEQMPETPKWFHLYLFQMPAYASSSKFVTRVTTPAQRGKVPVPHHSSP 180
Db 121 NVHSEYEPSEWEEQMPETPKWFHLYLFQMPAYASSSKFVTRVTTPAQRGKVPVPHHSSP 180
Qy 181 TTQTHPRVSRASSVAGDKPRTLPSTTASKISALEGLLKQTPSPSYNHHTRLHRQALD 237
Db 181 TTQTHPRVSRASSVAGDKPRTLPSTTASKISALEGLLKQTPSPSYNHHTRLHRQALD 237
```


6

Db	25	-----	24
Qy	121	NVHSEYPSWEEQMPETPKWFHLPYLFQMPAYASSKFEVTRVTTPAORGKVPVHSSP	180
Db	25	-----EYEPSWEEQMPETPKWFHLPYLFQMPAYASSKFEVTRVTTPAORGKVPVHSSP	80
Qy	181	TTQITHRPRVSRASSVAGDKPRTFLPSTASKISALEGLLKQTPSYNNHTRLH	234
Db	81	TTQITHRPRVSRASSVAGDKPRTFLPSTASKISALXGLLKQTPSYNQOTKXH	134

Search completed: September 14, 2003, 04:25:22
Job time : 150 secs

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OM protein - protein search, using sw model

Run on: September 14, 2003, 04:20:51 ; Search time 11 Seconds
(Without alignments)
742.169 Million cell updates/sec

Title: US-09-651-150B-2
Perfect score: 2055
Sequence: 1 MDRHWLWFLYFLVPVSGALRIL.....HQPAAWMEDESDSDYINVPA 390

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 93872 seqs, 20932968 residues

Total number of hits satisfying chosen parameters: 93872

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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2: /cgn2.6/ptodata/2/paa/US05_NEW_COMB.pep.*
3: /cgn2.6/ptodata/2/paa/US07_NEW_COMB.pep.*
4: /cgn2.6/ptodata/2/paa/US08_NEW_COMB.pep.*
5: /cgn2.6/ptodata/2/paa/US09_NEW_COMB.pep.*
6: /cgn2.6/ptodata/2/paa/US10_NEW_COMB.pep.*
7: /cgn2.6/ptodata/2/paa/US60_NEW_COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	126	6.1	359	1	PCT-US02-29560A-239 Sequence 239, App
2	122.5	6.0	474	1	PCT-US02-26584-3 Sequence 3, Appl1
3	118	5.7	820	7	US-60-490-890-2601 Sequence 2601, Ap
4	117	5.7	1106	7	US-60-490-890-632 Sequence 632, App
5	114.5	5.6	328	6	US-10-468-333-2 Sequence 2, Appl1
6	111	5.4	728	6	US-10-425-114A-63691 Sequence 53691, A
7	106	5.2	390	5	US-09-908-576-39 Sequence 39, Appl
8	104.5	5.1	479	7	US-60-490-890-381 Sequence 381, App
9	102.5	5.0	262	6	US-10-425-114A-65173 Sequence 65173, A
10	101.5	4.9	1254	5	US-09-976-858-165 Sequence 165, App
11	101	4.9	476	1	PCT-US02-26584-16 Sequence 16, Appl
12	100	4.9	384	7	US-60-490-890-2694 Sequence 2694, Ap
13	99.5	4.8	591	6	US-10-425-114A-54512 Sequence 54512, A
14	99.5	4.8	904	1	PCT-US03-03551-16 Sequence 16, Appl1
15	99	4.8	380	6	US-10-425-114A-46684 Sequence 46684, A
16	98.5	4.8	381	6	US-10-425-114A-65501 Sequence 65501, A
17	98	4.8	252	6	US-10-425-114A-59644 Sequence 59644, A
18	98	4.8	554	7	US-60-487-610-2668 Sequence 2668, Ap
19	98	4.8	554	7	US-60-495-115-70 Sequence 70, Appl
20	98	4.8	628	7	US-60-495-115-69 Sequence 69, Appl
21	97.5	4.7	407	6	US-10-425-114A-55894 Sequence 55894, A
22	97.5	4.7	445	1	PCT-US03-10749A-34 Sequence 34, Appl
23	97.5	4.7	1091	7	US-60-478-196-3122 Sequence 3122, Ap
24	97.5	4.7	1566	7	US-60-479-073-22 Sequence 22, Appl
25	97	4.7	204	6	US-10-646-381-7 Sequence 7, Appl1
26	97	4.7	462	6	US-10-425-114A-68274 Sequence 68274, A

ALIGNMENTS

RESULT 1
PCT-US02-29560A-239
Sequence 239, Application PC/TUS0229560A

GENERAL INFORMATION:

APPLICANT: Afar, Daniel
APPLICANT: Aziz, Natasha
APPLICANT: Gish, Kurt C.
APPLICANT: Hevezi, Peter A.
APPLICANT: Mack, David H.
APPLICANT: Wilson, Keith E.
APPLICANT: Zlotnik, Albert
APPLICANT: Eos Biotechnology, Inc.
TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
FILE REFERENCE: 018501-002710PC
CURRENT APPLICATION NUMBER: PCT/US02/29560A
PRIOR FILING DATE: 2002-09-17
PRIOR APPLICATION NUMBER: US 60/323,469
NUMBER OF SEQ ID NOS: 412
SOFTWARE: PastSeq for Windows Version 3.0
SEQ ID NO 239
LENGTH: 359
TYPE: PRT
ORGANISM: Homo sapiens
PCT-US02-29560A-239

Query Match 6.1%, Score 126; DB 1; Length 359;
Best Local Similarity 20.6%, Pred. No. 0.09, 148; Indels 78; Gaps 11;
Matches 72; Conservative 52; Mismatches 148

QY	23	VKVGELGSGVTIKCPLEPMHVRIVLCREMGASGTCGTWSTTTFIKAEYKGRVTLK---	79	Sequence 17, Appl
DB	22	VKVGEGAGPSVTLPCYSGAVTSMCNRGSCSLTCQNGIWTNGTHVYKDKRYKLLG 81		Sequence 17, Appl
QY	80	QYPRKNLFELVEYQLTESDSGVYACGAGMNTDRKTKQVTLNVHSEYEPSEWEEQMPETP 139		Sequence 64076, A
DB	82	DLSRDRVSLT-IENTAVSDSGVYCCRV---EHRGWFNDMKITVSLIIVP-----P 127		Sequence 68338, A
QY	140	KWFHLPYLFQMPAYASSKSFVTRVTPAQRCKVPVHHSSPTTQIHRPRVSRASSVAGD 199		Sequence 69528, A
DB	138	KVTTPIVTTVTTVTTTSTVTTTPTTTTPTTPTTMSIPTT--TIVPTMTVSTTTSV 185		Sequence 65931, A
QY	200	KPRFLPSTTASKI-----SALEGLLKPO-- 223		Sequence 42, Appl
DB	186	PTTTSIPTTTSVPTTTSVTPVPMPLPRQNHPEVATSPSPQPAETHPTTLOCAIREP 245		Sequence 305, App
QY	224	--TPSYNHT-----RLHRQALYGSOSGREGOCFHILPTILGLFLLA 266		Sequence 57887, A

Db 246 TSSPLYSTIDGNDVTIESSDGLWNNNQTLFLEHSLLIANTTKGIYAGV-CISVLVLLA 304
QY 267 LGLVAVRAVERRRKALSRRARPL-AVRMRALLESSORSGRSPRRSONNIY 315
Db 305 LLGVLIAKKYFFKKEVQOOLSVSFSSLOIKALQNAV----EKEVOAEDNIY 350
RESULT 2
PCT-US02-26584-3
; Sequence 3, Application PC/TUS0226584
; GENERAL INFORMATION:
; APPLICANT: HOOPER, Craig
; APPLICANT: DIETZSCHOLD, Bernhard
; TITLE OF INVENTION: Recombinant Antibodies, and Compositions
; TITLE OF INVENTION: and Methods for Making Them
; FILE REFERENCE: 8321-110 PC
; CURRENT APPLICATION NUMBER: PC7/US02/26584
; CURRENT FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: US 60/314,023
; PRIOR FILING DATE: 2001-08-21
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 474
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US02-26584-3

Query Match 6.0%; Score 122.5; DB 1; Length 474;
Best Local Similarity 19.8%; Pred. No. 0.22; Mismatches 125; Indels 149; Gaps 20;
Matches 80; Conservative 50;
QY 4 WLWPLYFLPVSGALRIILPEVKVEGEL-----GGSVTIKCPLEMHVRIYL---CR 50
Db 7 WLF-----LVAILKGVCEVOLLESGGGLVQPGSLRSLSCAASGFTSNYAMSKVR 57
QY 51 EMAGSG-----TCGTVSTTNFIKAEYKGRVTLKOYPRKNLEFVETQLTSDSGVYACGA 106
Db 58 QAPCKGLEWVSASISAGSHSTYLABSVKGRFTISRDNKNTLYLQMNLSRAEDTAVYCA- 116
QY 107 GMNDRGKTQKVTILNVHSEYEPSEWEEQPMETPKWFLPYLFQMPAYASSSKFTVTRTP 166
Db 117 ---KDREVTMVLNGGFDY---KCG-----TRVTS 143
QY 167 AQRCQVPPVHSSPTTQIHRPRYSRASSVAGDKPRFELPSTTAKISALEGLKPTPS 226
Db 144 SASTKGPSVFLAPSSKST-----SGGTAALGCLVKDYF-----EPVTS 184
QY 227 YNHHTLHRQALDYGSGREGGQGHILIPTIL---GLFLALLGLVVKRAVERKALS 283
Db 185 WN-----SGALTSGVH-TFPVAVLQSSGLYSLSSVTVVPSS----- 219
QY 284 RRARRLAVMRALLESSORSGRSP-----RPRSONNIYSACPRRARGADAAGTGEAPVGP 338
Db 220 ----LGTQYICNVNHNKPSNTKVDKRVKPSCKTHI-CP-----PCPAP 259
QY 339 ---GAP-----LPPAP---LQVSESPWLHAPSLKTSCEYVSILYHQ 372
Db 260 ELGGPSVFLFPKPKDTLMISRTP-----EVTGVVDVSHE 296

RESULT 3
US-60-490-890-2601
; Sequence 2601, Application US/60490890
; GENERAL INFORMATION:
; APPLICANT: Li, Martha
; APPLICANT: Rupnow, Brent A.
; APPLICANT: Webster, Kevin R.
; APPLICANT: Jackson, Donald
; APPLICANT: Wong, Tai W.
; TITLE OF INVENTION: BIOMARKERS OF CYCLIN-DEPENDENT KINASE MODULATION
; FILE REFERENCE: D0310 PSP
; CURRENT APPLICATION NUMBER: US/60/490,890

; CURRENT FILING DATE: 2003-07-29
; NUMBER OF SEQ ID NOS: 2779
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2601
; LENGTH: 820
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-490-890-2601
Query Match 5.7%; Score 118; DB 7; Length 820;
Best Local Similarity 21.8%; Pred. No. 0.84;
Matches 66; Conservative 33; Mismatches 102; Indels 102; Gaps 11;
QY 112 RGKTQKVTILNVHSEYEPSEWEEQPMETPKWFLPYLFQMPAYASSSKFVTR-----VTTP 166
Db 346 RRRSSASLSGSSSSSSRSRSPPKPKP-----PKRTSSPFRKTRRLSPASPP 394
QY 167 AQRCQV-----VPPVHSSPTTQIHRPRYSRASSVAGDKPRFELPSTTAKISALEGLK 221
Db 395 RRRRPPSPATPPKTRDSPTTPOOSNTRKSRVS-----VSPGRTSGKV-KHKGIEK 445
QY 222 PQTPS-----YNHHTLHRQALDYGSGREGGQGH 252
Db 446 RESPSAPKPRKVELSESEEDKGGKMAADSVQORRYRKNQOOSDSSGSSSEDER- 504
QY 253 HILIPTILGLFLALLGLVVKRAVERKALSRRARLAVRM-----RALESSORPRG--- 304
Db 505 -----PKRSHVKNCEVGRRRHSPSRASPSPRKQKETSPPGRRR 545
QY 305 -SRPP-----RSQNNIYSACPRRARGADAAGTGEAPVGPGLP-PAPLOVSSPWLHAP 358
Db 546 RSPSPPTRRRRSPSPAPPPRRR-----TPTPPRRRTSPPPRRRSPRRYSP 596
QY 359 SLK 361
Db 597 PIQ 599

RESULT 4
US-60-490-890-632
; Sequence 632, Application US/60490890
; GENERAL INFORMATION:
; APPLICANT: Li, Martha
; APPLICANT: Rupnow, Brent A.
; APPLICANT: Webster, Kevin R.
; APPLICANT: Jackson, Donald
; APPLICANT: Wong, Tai W.
; TITLE OF INVENTION: BIOMARKERS OF CYCLIN-DEPENDENT KINASE MODULATION
; FILE REFERENCE: D0310 PSP
; CURRENT APPLICATION NUMBER: US/60/490,890
; CURRENT FILING DATE: 2003-07-29
; NUMBER OF SEQ ID NOS: 2779
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 632
; LENGTH: 1106
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-490-890-632
Query Match 5.7%; Score 117; DB 7; Length 1106;
Best Local Similarity 22.3%; Pred. No. 1.4;
Matches 82; Conservative 33; Mismatches 130; Indels 122; Gaps 17;
QY 110 TDRGKTQKVTILNVHSEYEPSEWEEQPMETPKWFLPYLFQMPAYASSSKFVTRVTPAQ- 168
Db 346 SDRACKONRT---HSNEK-----PYVCKLPCTK-----RYTDPSSL 379
QY 169 KGKVPVPHSSPTTQIHR-----PRVSRASSVAGDKPRFELPSTTAKISALEGLK 221
Db 380 RKHVKTIVH--GPDAAHTKRRHGGGLPRLAPRSISTVEPKREGRGPIRESRLVPEGAMK 437
QY 222 POTPSYNHHTL---HQRALDYGSGSGREGGQ----- 251

Db 438 PQ-PSFGQSSCDSPHSPAGSAANTDSGVEMTGNAGGSTEDSSLDGSPCIAGTGLSTLR 496
QY 252 -----FHILPT-ILGLFL--LALLGLVVKRAVERRKALSR-----APRLAVR 292
Db 497 RLENRLDQLHQLRPIGRGLKPLSLSTHTGTVSRRVGPVPSLERRSSSSSSISSAYIVS 556
QY 293 MRALESSORPRSPRRQNNIYSACPR-----RARGADAAGTGEAPVGP-----GAP 341
Db 557 RSSLASPPPGSPENGASSLPGMLPAHQHLYLLRARSAROGGTSP7AASLDRIGGJP 616
QY 342 LPP-----APLOVESPWHLAPSLKTSCEYVSLYHQPAAAMEDS 380
Db 617 HPPWRSRAEYPCYNPNAGVIRASDPAQAADRP---APARVQRFKSLGCVHTPTTVASGG 673
QY 381 DS-DDYI 386
Db 674 QNFDPYL 680

RESULT 5

US-10-468-333-2
; Sequence 2, Application: US/10458333
; GENERAL INFORMATION:
; APPLICANT: Nakamura, Yusuke
; APPLICANT: Sugano, Sumio
; APPLICANT: Kato, Yutaka
; APPLICANT: Takahashi, Tomohiro
; APPLICANT: Shirakawa, Kamen
; TITLE OF INVENTION: Novel Cell Adhesion Molecule of Activated Lethocyte
; FILE REFERENCE: 03-775
; CURRENT FILING DATE: 2003-08-15
; PRIOR APPLICATION NUMBER: PCT/JP02/01321
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: JP 2001-39196
; PRIOR FILING DATE: 2001-02-15
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 328
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-468-333-2

Query Match 5.6%; Score 114.5; DB 6; Length 328;
Best Local Similarity 21.7%; Pred. No. 0.5;
Matches 75; Conservative 37; Mismatches 124; Indels 109; Gaps 15;
QY 3 RMLWPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMH----- 43
Db 43 RW-----SMQVPEVSAEA--GDAAVLPCTFTPHRHYDGLPTAINRAGEPYAG 89
QY 44 VRIYLCREMAGSGTGTVVSTNFIKAEYKGRVTLKQYPRKNLFLVEVTLQTESDSGYVA 103
Db 90 PQVFRCAARGSELQCTALS-----LHGRFRLGNPRNDLSLRVERLALADRRYF 141
QY 104 CGAGMNTDRGKTQKVTNLNVHSEYEPSEWEO--PMPTPKWFHLPYLFQMPAYASSSKFVTR 162
Db 142 CRVEFAGD-----VHDREYSEHGVLVHTAAPRIVNISVL-PSPAHA-----FR 184
QY 163 VTTPAQGVKVPVHHSSPTTQITHRPRVSRASVAGDKPRTYLPSTTASKISALEG---L 219
Db 185 ALCTAE-GEPPP-----ALAWGPA--LGNSLAARVSPRECHGHI 221
QY 220 LKQPTSYNNHTR-----LHQPALDYGSO-SGRECGPHILPTILGLFLALLGL 270
Db 222 VTAELPALTHDQRYTCTAANSLSGRSEASVYLFREFGASGASTVALLGALGFKALLLGV 281
QY 271 VYKRAVERKALSRARRLAVRMRALESSORPRGSPRRSQNNIY 315
Db 282 LAARARRRP-----EHLDTPTDTPRPSQAQESNY 310

RESULT 6

US-10-425-114A-63691
; Sequence 63691, Application US/10425114A
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114A
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 63691
; LENGTH: 728
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: IIR3060-059-F10_FLI.pep
US-10-425-114A-63691

Query Match 5.4%; Score 111; DB 6; Length 728;
Best Local Similarity 32.6%; Pred. No. 2.2;
Matches 43; Conservative 6; Mismatches 39; Indels 44; Gaps 5;

QY 230 HTRLHRQRALDYGSGSQGQGHILPTILGLFLLALGLVVKRAVERRK---ALSRR 286
Db 27 HARVGRKRCRPAQRQHGREQG-----GQPVVRRGAAALCRRR 65
QY 287 RRLAVRMRALESSORPRGSPRRSQNNIYSACPRRARGADAA-----GTGEAPVP 336
Db 66 RRGASATAGVASSGAGTGNPRAR-----DAGRRRGVGAGAAQGVAAAGADDCGAAAAAP 119
QY 337 G----PGAPLPP 344
Db 120 GRGVLPRPAAP 131

RESULT 7

US-09-908-576-39
; Sequence 39, Application US/09908576
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Flivaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14


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Db      16  TMPVYKKICPPPLHGEPA-----ISAADFLGTSAARARFRSF--SSASRNSSL-- 64
QY      219  LKQPTSYNHHIRUHQALDYQSQSGREGQGHILPTILGLFLALLGLVVKRAVER 278
Db      65  -----TMAWRHSMLOKARSPRYMKT-----FPS-----SA 91
QY      279  RKALSRARRLAVRMRA-LESSORPGSP-----RPRSONNIYSACPRRARGDAAGT 330
Db      92  RHMSQHERNSATRNAAPPPPPARPDTPGPHRLVAHRPLHASSDTSRAAR-RGMOTIRGA 150
QY      331  GEAPVPGQC-----APLPAPLQVSESWLH 356
Db      151  RAAPAGSGSPSASSAARIPSPPTASRKH 181
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RESULT 10

US-09-976-859-165

: Sequence 165, Application US/09976958

: GENERAL INFORMATION:

: APPLICANT: Gish, Kurt C.

: APPLICANT: Mack, David H.

: APPLICANT: Wilson, Keith E.

: APPLICANT: Afar, Daniel

: APPLICANT: Peter, Hevezi

: TITLE OF INVENTION: Methods of Diagnosis of Prostate Cancer, Compositions and Methods

: TITLE OF INVENTION: of Screening for Modulators of Prostate Cancer

: FILE REFERENCE: 05882.0183.NPUS00

: CURRENT APPLICATION NUMBER: US/09/976,858

: PRIOR FILING DATE: 2001-10-12

: PRIOR FILING DATE: 2001-03-16

: PRIOR FILING DATE: 2001-03-16

: PRIOR FILING DATE: 2001-05-04

: PRIOR FILING DATE: 2001-03-16

: PRIOR FILING DATE: 2001-03-16

: PRIOR FILING DATE: 2001-04-24

: PRIOR FILING DATE: 2001-04-24

: PRIOR FILING DATE: 2001-04-24

: PRIOR FILING DATE: 2001-04-24

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: PRIOR FILING DATE: 2001-04-24

: PRIOR FILING DATE: 2001-04-24

: PRIOR FILING DATE: 2001-04-24

: PRIOR FILING DATE: 2001-04-24

: Sequence 16, Application PC/TUS0226584

: GENERAL INFORMATION:

: APPLICANT: HOOPER, Craig

: APPLICANT: DIETZSCHOLD, Bernhard

: TITLE OF INVENTION: Recombinant Antibodies, and Compositions

: TITLE OF INVENTION: and Methods for Making Them

: FILE REFERENCE: 8321-110 PC

: CURRENT APPLICATION NUMBER: PCT/US02/26584

: CURRENT FILING DATE: 2002-08-21

: PRIOR APPLICATION NUMBER: US 60/314,023

: PRIOR FILING DATE: 2001-08-21

: NUMBER OF SEQ ID NOS: 16

: SOFTWARE: FastSeq for Windows Version 4.0

: SEQ ID NO 16

: LENGTH: 476

: TYPE: PRT

: ORGANISM: Homo sapiens

: PCT-US02-26584-16

Query Match

Best Local Similarity 4.9%; Score 101; DB 1; Length 476;

Matches 80; Conservative 53; Mismatches 133; Indels 138; Gaps 24;

QY 1 MDRWLPLFLPVSGALRIILPEVKV-----EGELGSGVTIKCPLPEMHVRIYL---CRE 51

Db 1 MD-WTRFLV-VAAATGVOSQVQVQSGAEGVKKPGSVKVSCKASGTEFNRYTVNVRQ 58

QY 52 MAGSGT---CGTVV---STTNPIKAEYGRVTLKQYPRKNILFVETQLTSDSGVYACGA 106

Db 59 APGQGLEWMGGIIPFGTANYAQ-RFOGRLTITADESTSTAYMELSSLRSDDTAVYFC-A 116

QY 107 GMNTDRGKTOKVTLNVHSEYEPSKEQMPETPKWFLPYLFQMPAYASSSKFVIRVTP 166

Db 117 RENDNSGT-----YFSGWFD-----PWGQ-----GTLVTVS 145

QY 167 AQRGKVPVPHHSSPTQITHRPRVSRASSVAGDKPRTFPLPSTIASLEGLKPTQPS 226

Db 146 SASTKGFSVFLAPLAPSKST-----SGGTAALGCLVKDYF-----EPVIVS 186

QY 227 YNHTRLHQRALDYQSGSGREGQGHILPTIL---GLFLLALLGLVYKRAVERKALS 283

Db 187 WN-----SALTSGVH-TFPAVLQSSGLYSLSSVVTVPSS----- 221

QY 284 RRARRLAVRMRALESSORPGSP-----RPRSONNIYSACPRRARGADAGTGEAPVGP 338

Db 222 -----LGTQTYICNVNKKPSNTKVKRVEPKSCDKTHI-CP-----PCPAP 261

QY 339 ---GAP-----LPPAP---LQVSESPWLHAPSLSKTSCEYVSLYHQ 372

Db 262 ELLGSPSVFLFPKPKDTLMISRTp-----EVTGVVDVDSHE 298

RESULT 12

US-60-490-890-2694

: Sequence 2694, Application US/60490890

: GENERAL INFORMATION:

: APPLICANT: Li, Martha

: APPLICANT: Rupnow, Brent A.

: APPLICANT: Webster, Kevin R.

: APPLICANT: Jackson, Donald

: APPLICANT: Wong, Tai W.

: TITLE OF INVENTION: BIOMARKERS OF CYCLIN-DEPENDENT KINASE MODULATION

: FILE REFERENCE: D0310 PSP

: CURRENT APPLICATION NUMBER: US/60/490,890

: CURRENT FILING DATE: 2003-07-29

: NUMBER OF SEQ ID NOS: 2779

: SOFTWARE: PatentIn version 3.2

: SEQ ID NO 2694

: LENGTH: 384

: TYPE: PRT

: ORGANISM: Homo sapiens

: US-60-490-890-2694

Query Match

Best Local Similarity 4.9%; Score 101.5; DB 5; Length 1254;

Matches 59; Conservative 34; Mismatches 88; Indels 51; Gaps 15;

QY 160 VTRVTP--AQRGKVPVHHSSPTQITHRPRVSRASS-----VAGDKPRTFPLPSTASK1 213

Db 131 VTRNLDPDUTARKKAPPKPKAPTALTALRSK-SMTSELEELVDKDXPEIVPASKPSR- 188

QY 214 SALEGL-LKP-----QTPSYNHHTRLHQRALDYGs--QSGREGQGHILPTILGLFL 264

Db 189 -AAENNAVEPRVATIKQRP-----SRCFFAGSDMNSYIERQGIAMVTPTVPGSPK 238

QY 265 LALLGLVVKRAVERKALSRARRLAVRMRALESSORPGSPRPRSONNIYSACP--BRA 322

Db 239 APFLG-IPRGWRRKSDSR-----IFLSGITEERQ-----FLAPPMLKFT 280

QY 323 RGADAAGTGEAPVPGAPLPAPLQVSESPWLHAPSLSKTSCEYVSLYHQA 374

Db 281 RSLSPMDISE-DIPPPQSVPPSPPPPTTY-NCPKSPIPRVYGTI--KPA 328

RESULT 11

PCT-US02-26584-16

—

QY 257 PTILGLELLALIGLVKRAVERKALSRARRARLAVRMRALESSQRPGSPRPRSONNIYS 316
Db 437 PT-----PSLVLSKDSKQARNFLKQALS----ALEEA----GAPAPGRPSPAYA 479
QY 317 ACPRRARGADAAGTGEAPVPGGA-PL-----PPAPLQVSES 352
Db 480 AVP-----SSQPKTEAPQASPLAKPLQSSSPRVGLPLPSRMEPPAPLSTST 525

RESULT 15
US-10-425-114A-46684
; Sequence 46684, Application US/10425114A
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114A
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 46684
; LENGTH: 380
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 70116C303_FLI.pep
US-10-425-114A-46684

Query Match 4.8%; Score 99; DB 6; Length 380;
Best Local Similarity 23.4%; Pred. No. 6.8;
Matches 45; Conservative 14; Mismatches 61; Indels 72; Gaps 8;
QY 170 GKVPVHHSSPTI--QIIHPRVYSRASSV-----AGDKPRTFLPSTTASKISALEGLLK 221
Db 56 GRLPPIHPVAGTVPGLEHRRHRRHRCAGVQPERAGGERPHRALVRP-----RGVRV 105
QY 222 PQTESYNNHITRLHRQALDYS-QSGREGQGFHILPTILGLFLALLGLVVKHAVERK 280
Db 109 PAARGREHHPRRRARLRQGGVHAGVGGRGV----- 142
QY 281 ALSRRARLAVRMRALESSQR-----PRGSPRPRSONNIYSACPRRARGADAAGTGEAPV 335
Db 143 ----KRRRARGDHGVADRNRRLRGPPGGGPAP-----VAPRRPQGR----- 180
QY 336 PGGAPLPAPL 347
Db 181 ---GAPLPAPL 189

Search completed: September 14, 2003, 04:25:47
Job time : 13 secs